INTRODUCTION

IQ PORTION

In Medical, Architecture and Engineering tests there are 10 Mcqs from this portion while in business studies there are 40 Mcqs. Most of the students who are naturally good at math are able to score full marks in this portion. Others can also get full marks if they practice.

In IQ you'll basically face 4 types of questions which will be asked in different ways:

1) Coding
2) Directions
3) Odd one out
4) Find the missing number

Odd One Out:

This portion tests your intelligence and your general knowledge. In most of the questions General knowledge is tested. Now these questions can be about anything that exists including the people. Moreover such questions can have multiple answers depending upon the reader. Everyone thinks in his own way.

For example:

Questions may include 3 countries of Asia and a 4th one from Africa. You may be given 3 parts of a specific structure and a 4th one from some other source. Questions may include animals, birds, and books. Also a common question in which some months are given and you are to select the odd one. This is done on basis of number of days in them usually, however their can also be some different logic. To master this portion you need practice.

Directions:

Questions from this category can give you hard time, but if you just follow the steps it will be an easy task.

An example question:

Maths moved 5km north, turned right and moved 4km straight, again turned right and moved 5km. What is his position with respect to the starting point?

Solution:

- **Step 1:** Draw the direction axis first of all. I.e. North, south, east
- andwest.
- **Step 2:** Consider origin as the starting point.

  Step 3: Plot the distance moved as lines on the paper. i.e from origin a line towards north will show 5km, then a line on right 4km, then line on another right 5km. This is the final point.
- **Step 4:** Check the distance of this point from the origin. You can also be asked the direction of the final point.

Coding:

This type has some further sub-types.

a) Substitution based questions:

e.g.: If "earth" is coded as 23456 then how the word "heart" will be coded as? Note the word Earth and Heart are made from the same set of alphabets. In this case each alphabet corresponds to a specific number. In this case 2 for e, 3 for a and so on. So you'll use this knowledge to construct the new number from the given word i.e heart. In place of the number (23456) you can also be given another word. Then each alphabet will correspond to some other alphabet.

b) Each alphabet is moved forward or backward to give the new word: This method might seem lengthy apparently but once you get used to it, you will solve the questions within few seconds. Consider a question.

Q: If BAT stands for CDQ then PEN stands

for? Solution:

Write all the alphabets from A to Z on a rough paper. You'll be given pages during NET for rough work. Next write the numbers below these alphabets i.e. 1 for A, 2 for B, 3 for C, so on and 26 for Z.

A B C D E..... Z 1 2 3
4 5 …….. 26

Now convert the alphabets you have to numbers. i.e.

B A T will be 2 1 20

And
C D Q will be 3 4 17

Now from the second list of figures subtract the first one, one by one: 3 – 2 = 1
4 – 1 = 3
17 – 20 = -3

Now convert PEN into digits.
It will be 16 5 14

Add the differences you got above in these,
i.e. 16 + 1 = 17 5 + 3 = 8

14 + (-3) = 11

So new word will be:
17 8 11

Convert it back to alphabets.

Q H K

And this is your answer.

Finding the missing number

Example question

Find the number which replaces the question mark. 1, 2, 3, 5, 8, 13,?

In these questions you have to detect which operation is performed on first number to get next number, or which operation is performed on first two numbers to get 3rd number.

E.g. in this series 1, 2, 4, 8, 16…
every number is being multiplied by 2 to get next number.

However in first example, two numbers are added to get the next number. 1+2 = 3 2 +3 =5
and so on...

You have to search for any such operation. It can be multiplication, division, addition, a combination of two operations. In these questions you need to use ur brain.
As you'll solve the questions you'll get to know about different possibilities/operations which can be performed.

PART

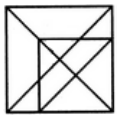
1

Intellegence Non Verbal

Analytical Reasoning

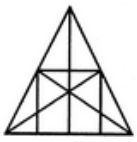
TEST 1

1. **Find the number of triangles in the given figure.**



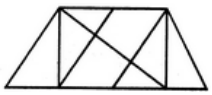
- A: 16
- B: 18
- C: 19
- D: 21

2. **What is the number of straight lines and the number of triangles in the given figure.**



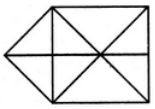
- A: 10 straight lines and 34 triangles
- B: 9 straight lines and 34 triangles
- C: 9 straight lines and 36 triangles
- D: 10 straight lines and 36 triangles

3. **Find the number of triangles in the given figure.**



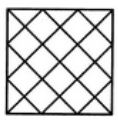
- A: 8
- B: 10
- C: 12
- D: 14

4. **Find the number of triangles in the given figure.**



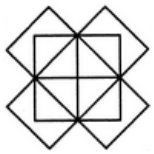
- A: 15
- B: 16
- C: 17
- D: 18

5. **Find the number of triangles in the given figure.**



- A: 28
- B: 32
- C: 36
- D: 40

6. Count the number of rectangles in the given figure.

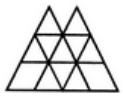


- A: 20
- B: 18
- C: 16
- D: 15

7. Find the number of triangles in the given figure.

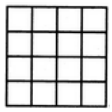
- A: 4
- B: 5
- C: 6
- D: 7

8. Count the number of parallelogram in the given figure.



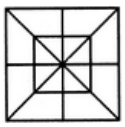
- A: 23
- B: 22
- C: 21
- D: 18

9. Find the number of squares in the given figure.



- A: 32
- B: 30
- C: 29
- D: 28

10. Count the number of triangles and squares in the given figure.



- A: 28 triangles, 10 squares
- B: 28 triangles, 8 squares
- C: 32 triangles, 10 squares
- D: 32 triangles, 8 squares

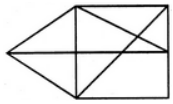
11. Find the number of triangles in the given figure.

A: 5
B: 6
C: 8
D: 10

12. Find the number of triangles in the given figure.

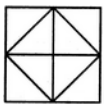
A: 11
B: 13
C: 15
D: 17

13. Find the number of triangles in the given figure.



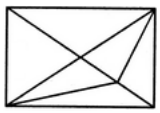
A: 12
B: 13
C: 14
D: 15

14. Find the number of triangles in the given figure.



A: 08
B: 10
C: 12
D: 14

15. Find the number of triangles in the given figure.



A: 11
B: 13
C: 15
D: 17

16. Find the number of triangles in the given figure.

A: 12
B: 18
C: 22
D: 26

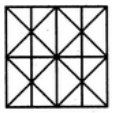
17. Find the number of quadrilaterals in the given figure.

A: 27
B: 25
C: 23
D: 20

18. Count the number of parallelogram in the given figure.

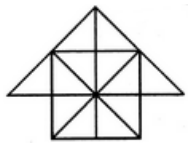
A: 8
B: 11
C: 12
D: 15

19. Find the minimum number of straight lines required to make the given figure.



A: 11
B: 14
C: 16
D: 17

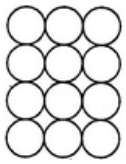
20. Count the number of triangles and squares in the given figure.



A: 26 triangles, 5 squares
B: 28 triangles, 5 squares
C: 26 triangles, 6 squares
D: 28 triangles, 6 squares

TEST 2

1. **In the adjoining figure, if the centres of all the circles are joined by horizontal and vertical lines, then find the number of squares that can be formed.**

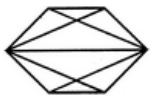


- A: 6
- B: 7
- C: 8
- D: 1

2. **Find the minimum number of straight lines required to make the given figure.**

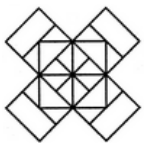
- A: 9
- B: 11
- C: 15
- D: 16

3. **Count the number of squares in the given figure.**



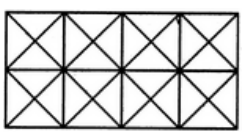
- A: 6
- B: 7
- C: 9
- D: 11

4. **Count the number of squares in the given figure.**



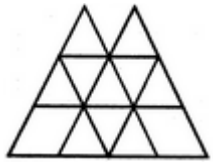
- A: 22
- B: 20
- C: 14
- D: 18

5. **Count the number of squares in the given figure.**



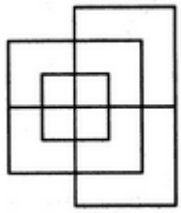
- A: 11
- B: 21
- C: 24
- D: 26

6. **Find the number of triangles in the given figure.**



- A: 16
- B: 18
- C: 14
- D: 15

7. **Find the minimum number of straight lines required to make the given figure.**

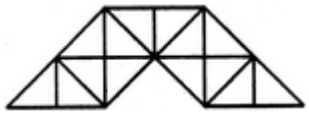


- A: 13
- B: 15
- C: 17
- D: 19

8. **Find the number of triangles in the given figure.**

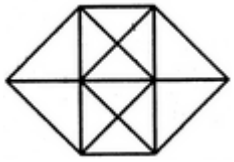
- A: 18
- B: 20
- C: 24
- D: 27

9. **Find the number of triangles in the given figure.**



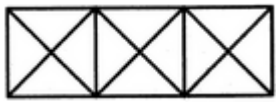
- A: 23
- B: 27
- C: 29
- D: 31

10. **Find the number of triangles in the given figure.**



- A: 20
- B: 24
- C: 28
- D: 32

11. Count the number of triangles and squares in the given figure.

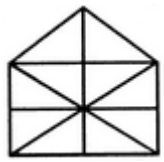


- A: 28 triangles, 3 squares
- B: 24 triangles, 5 squares
- C: 28 triangles, 5 squares
- D: 4 triangles, 3 squares

12. Find the number of triangles in the given figure

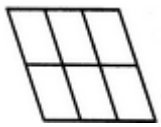
- A: 08
- B: 10
- C: 12
- D: 14

13. Find the number of triangles in the given figure.



- A: 10
- B: 19
- C: 21
- D: 23

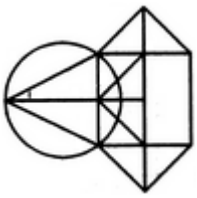
14. Count the number of parallelogram in the given figure.



- A: 20
- B: 18
- C: 16
- D: 12

TEST 3

1. **Find the number of triangles in the given figure.**

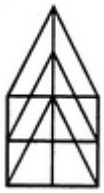


- A: 10
- B: 12
- C: 14
- D: 16

2. **What is the minimum number of colours required to fill the spaces in the given diagram without any two adjacent spaces having the same colour?**

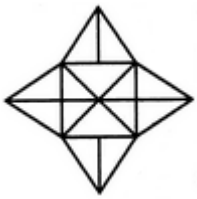
- A: 6
- B: 5
- C: 4
- D: 3

3. **How many triangles and parallelograms are there in the following figure?**



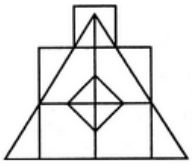
- A: 21,17
- B: 19,13
- C: 21,15
- D: 19,17

4. **Find the number of triangles in the given figure.**



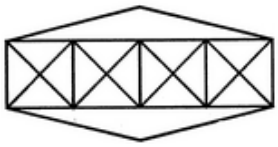
- A: 18
- B: 20
- C: 28
- D: 34

5. **Count the number of triangles and squares in the given figure.**



- A: 21 triangles, 7 squares
- B: 18 triangles, 8 squares
- C: 20 triangles, 8 squares
- D: 22 triangles, 7 squares

6. **Count the number of triangles and squares in the given figure.**

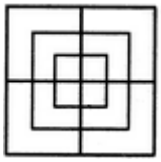


- A: 36 triangles, 7 squares
- B: 38 triangles, 9 squares
- C: 40 triangles, 7 squares
- D: 42 triangles, 9 squares

7. **Find the number of triangles in the given figure.**

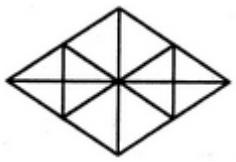
- A: 21
- B: 23
- C: 25
- D: 27

8. **Count the number of squares in the given figure.**



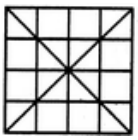
- A: 8
- B: 12
- C: 15
- D: 18

9. **Find the number of triangles in the given figure.**



- A: 16
- B: 22
- C: 28
- D: 32

10. Find the number of triangles in the given figure.

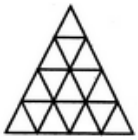


A: 36
B: 44
C: 40
D: 48

11. Find the number of triangles in the given figure.

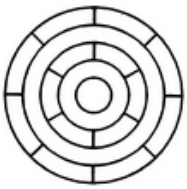
A: 22
B: 24
C: 26
D: 28

12. Count the number of parallelogram in the given figure.



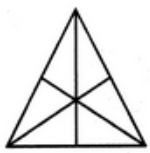
A: 47
B: 45
C: 41
D: 39

13. What is the minimum number of different colours required to paint he given figure such that no two adjacent regions have the same colour?



A: 3
B: 4
C: 5
D: 6

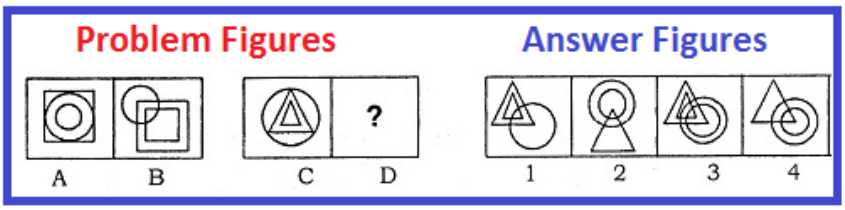
14. Find the number of triangles in the given figure.



A: 16
B: 13
C: 09
D: 07

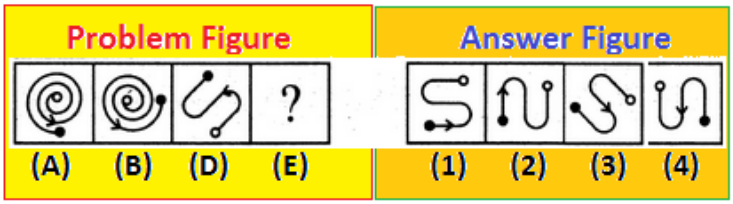
Analogy

TEST 1

1. 

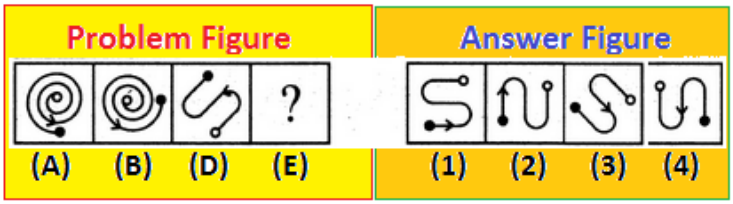
- A: 1
- B: 2
- C: 3
- D: 4

2. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**

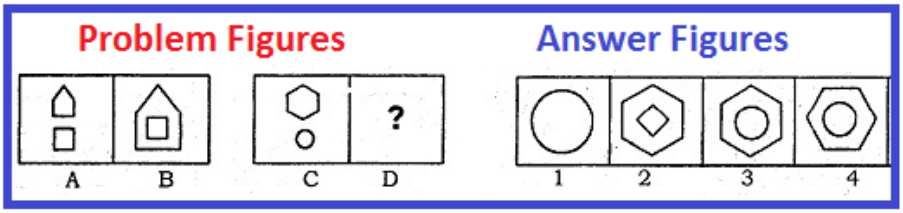


- A: 1
- B: 2
- C: 3
- D: 4

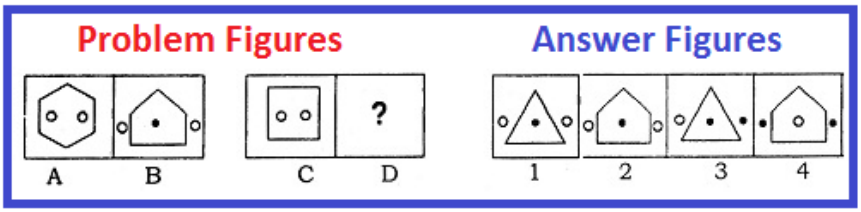
3. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**



- A: 1
- B: 2
- C: 3
- D: 4

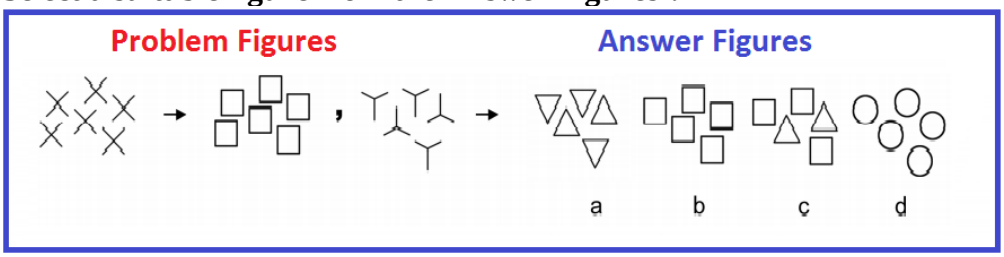
4. 

- A: 1
- B: 2
- C: 3
- D: 4

5. 

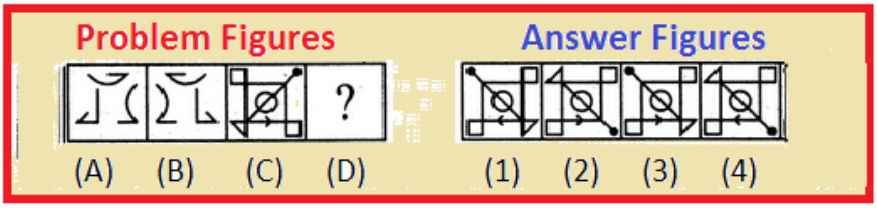
- A: 1
- B: 2
- C: 3
- D: 4

6. **Select a suitable figure from the Answer Figures ?**



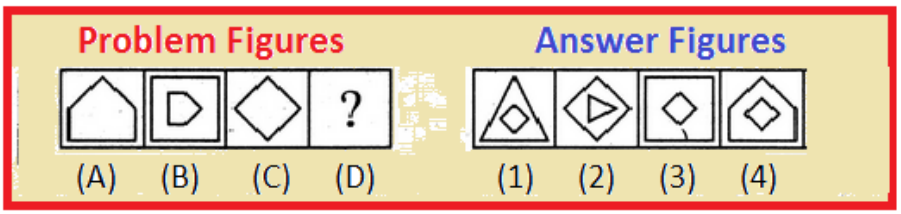
- A: 1
- B: 2
- C: 3
- D: 4

7. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**



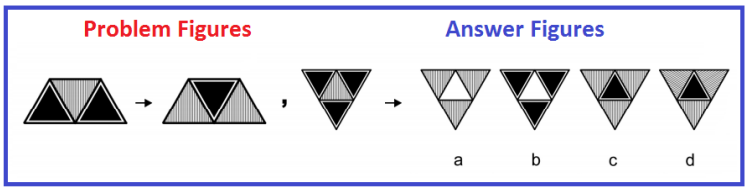
- A: 1
- B: 2
- C: 3
- D: 4

8. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**



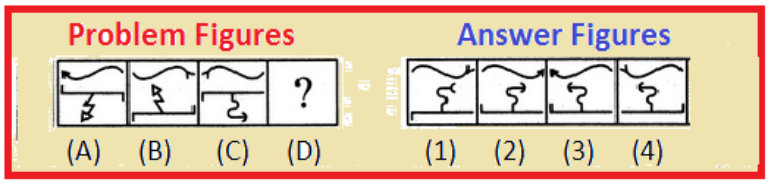
- A: 1
- B: 2
- C: 3
- D: 4

9. Select a suitable figure from the Answer Figures?.



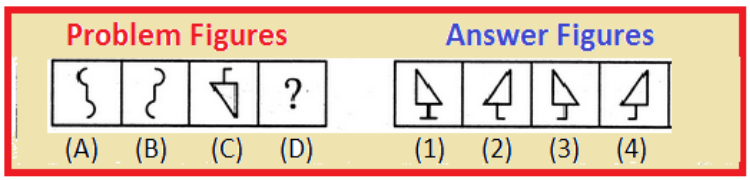
A: a
B: b
C: c
D: d

10. Select a suitable figure from the Answer Figures that would replace the question mark (?).



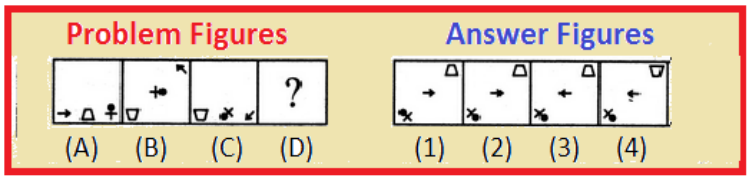
A: 1
B: 2
C: 3
D: 4

11. Select a suitable figure from the Answer Figures that would replace the question mark (?).



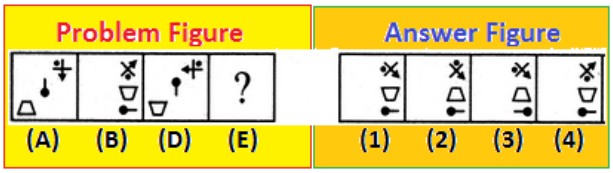
A: 1
B: 2
C: 3
D: 4

12. Select a suitable figure from the Answer Figures that would replace the question mark (?).



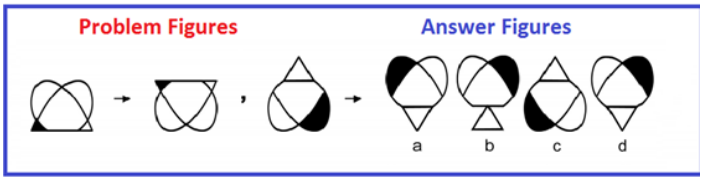
A: 1
B: 2
C: 3
D: 4

13. Select a suitable figure from the Answer Figures that would replace the question mark (?).



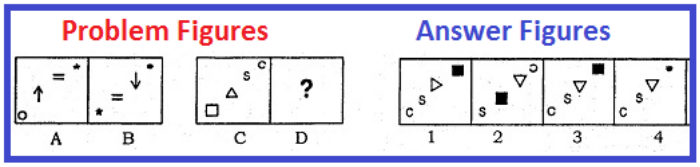
- A: 1
- B: 2
- C: 3
- D: 4

14. Select a suitable figure from the Answer Figures .



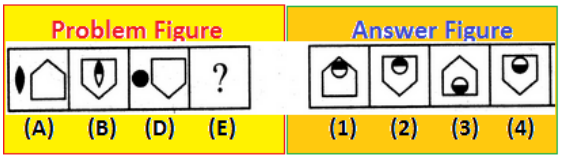
- A: 1
- B: 2
- C: 3
- D: 4

15.



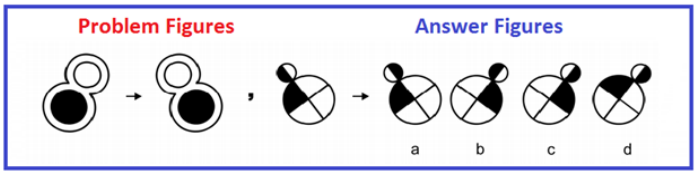
- A: 1
- B: 2
- C: 3
- D: 4

16. Select a suitable figure from the Answer Figures that would replace the question mark (?).



- A: 1
- B: 2
- C: 3
- D: 4

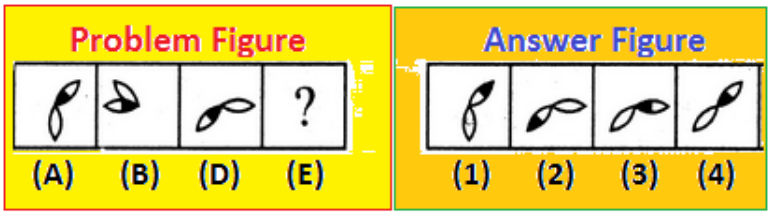
17. Select a suitable figure from the Answer Figures ?



- A: a
- B: b
- C: c
- D: d

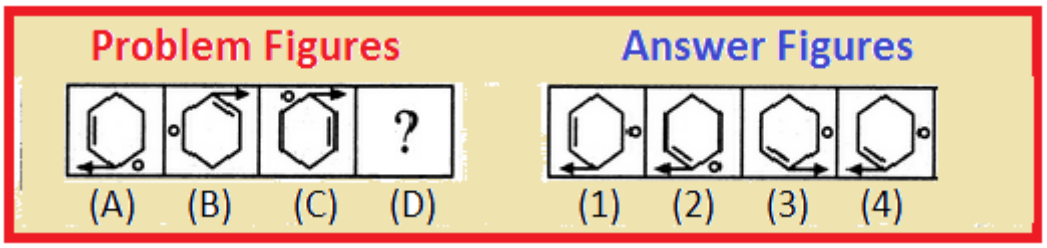
TEST 2

1. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**



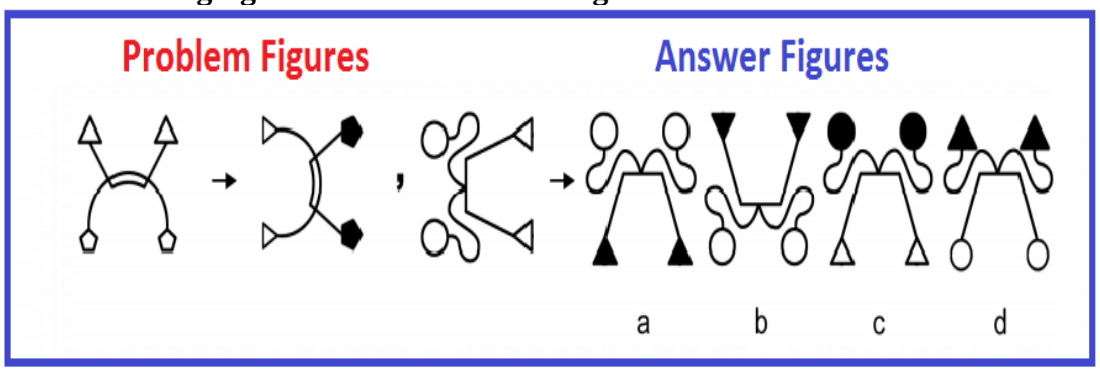
- A: 1
- B: 2
- C: 3
- D: 4

2. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**



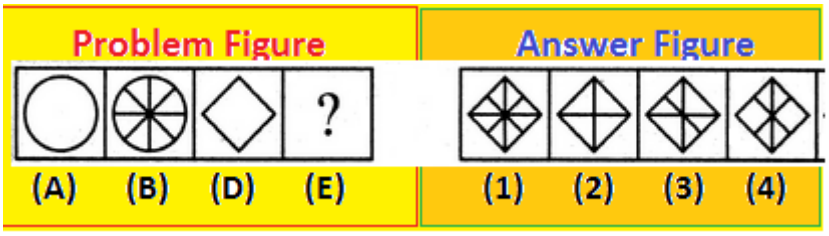
- A: 1
- B: 2
- C: 3
- D: 4

3. **Find the missing figure from four Answer Figures.**

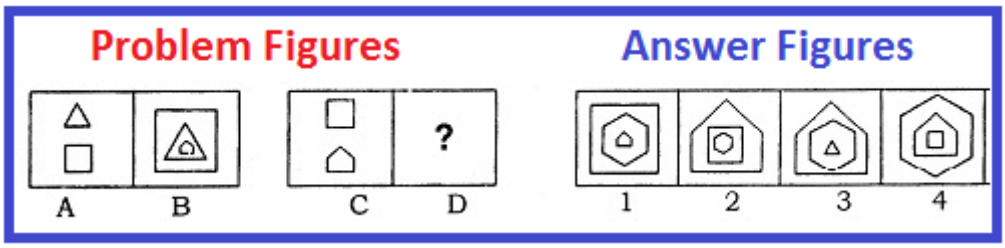


- A: a
- B: b
- C: c
- D: d

4. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**

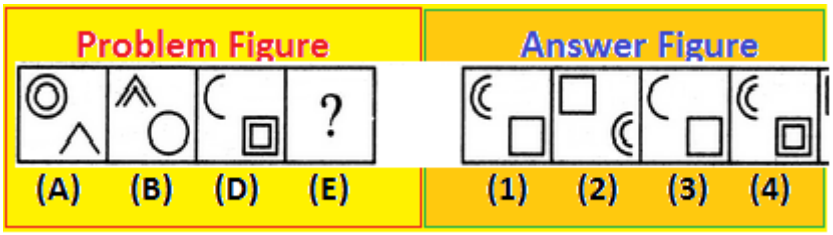


- A: 1
- B: 2
- C: 3
- D: 4

5. 

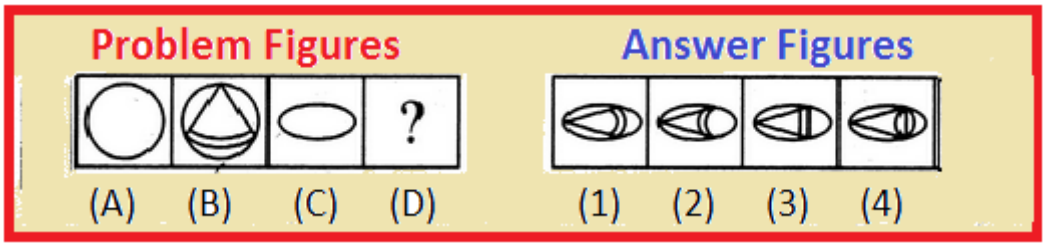
A: 1
B: 2
C: 3
D: 4

6. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**



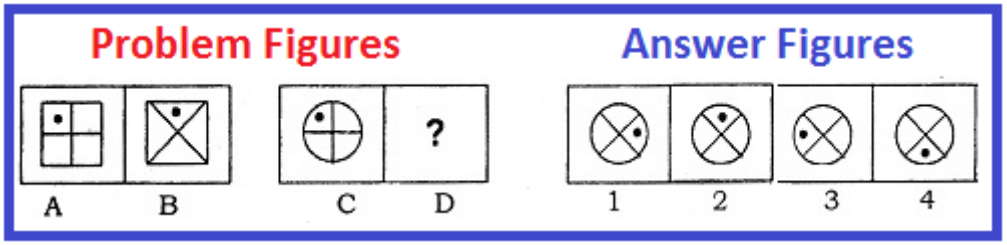
A: 1
B: 2
C: 3
D: 4

7. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**



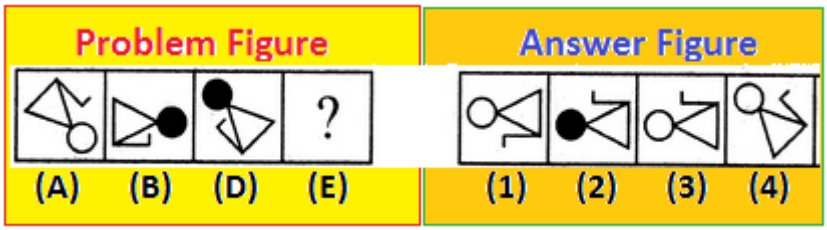
A: 1
B: 2
C: 3
D: 4

8. **Find the missing figure from four Answer Figures.**



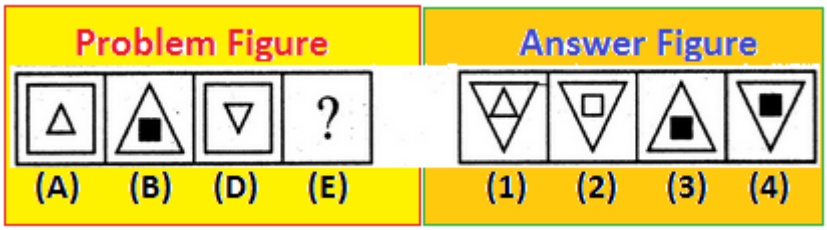
A: 1
B: 2
C: 3
D: 4

9. Select a suitable figure from the Answer Figures that would replace the question mark (?).



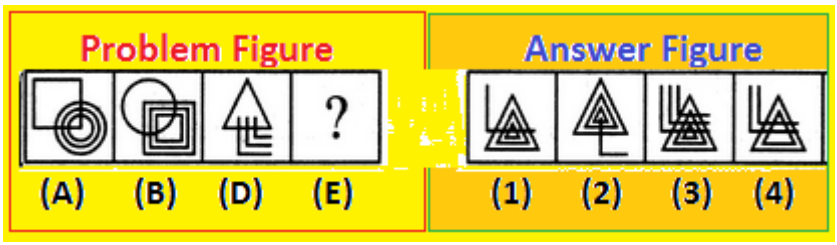
- A: 1
- B: 2
- C: 3
- D: 4

10. Select a suitable figure from the Answer Figures that would replace the question mark (?).



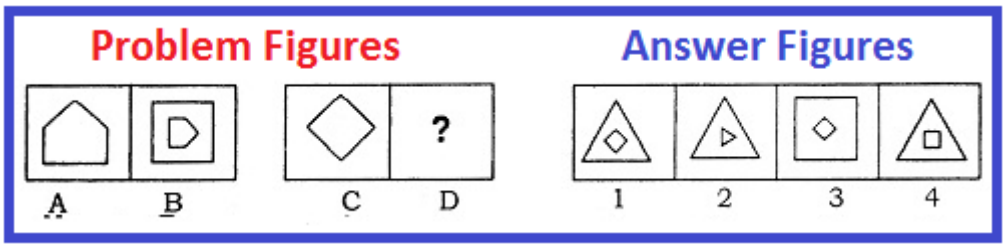
- A: 1
- B: 2
- C: 3
- D: 4

11. Select a suitable figure from the Answer Figures that would replace the question mark (?).



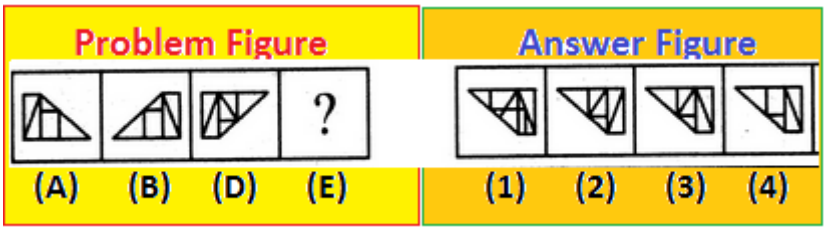
- A: 1
- B: 2
- C: 3
- D: 4

12.



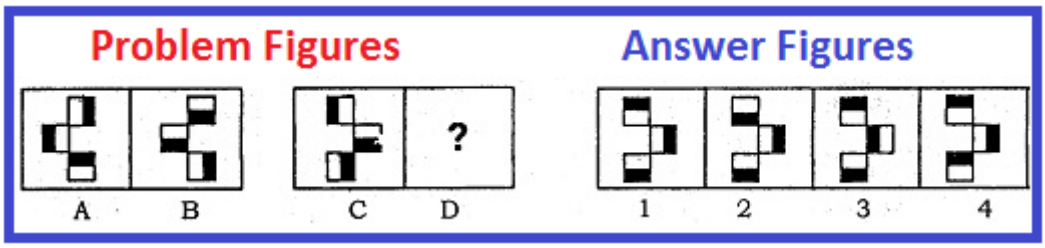
- A: a
- B: b
- C: c
- D: d

13. Select a suitable figure from the Answer Figures that would replace the question mark (?).



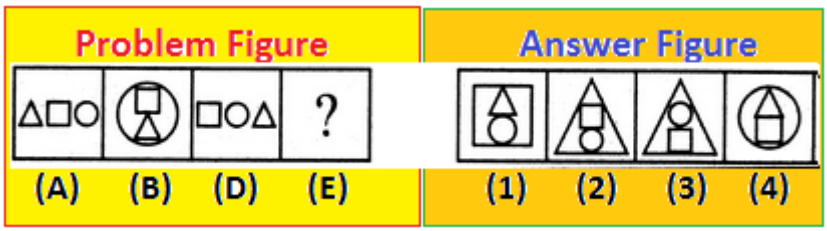
- A: 1
- B: 2
- C: 3
- D: 4

14.



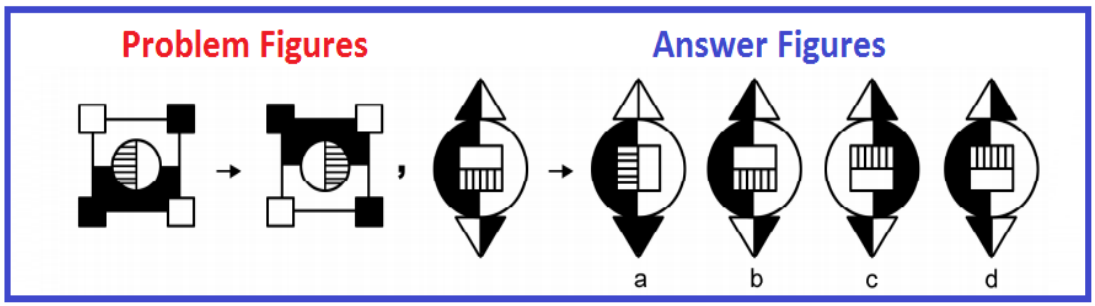
- A: 1
- B: 2
- C: 3
- D: 4

15. Select a suitable figure from the Answer Figures that would replace the question mark (?).



- A: 1
- B: 2
- C: 3
- D: 4

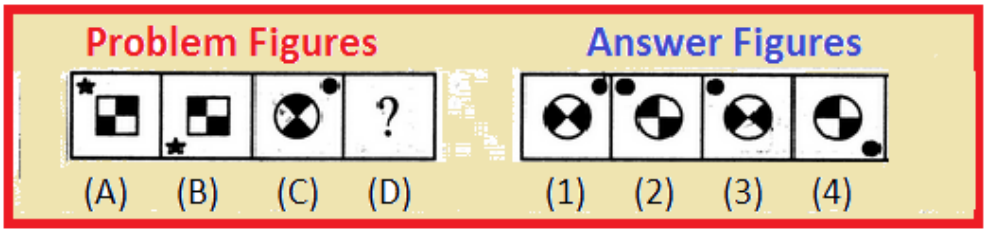
16. Find the missing figure from four Answer Figures.



- A: a
- B: b
- C: c
- D: d

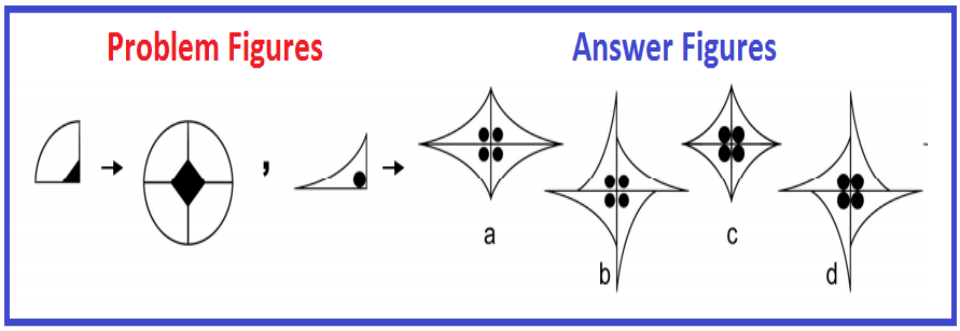
TEST 3

1. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**



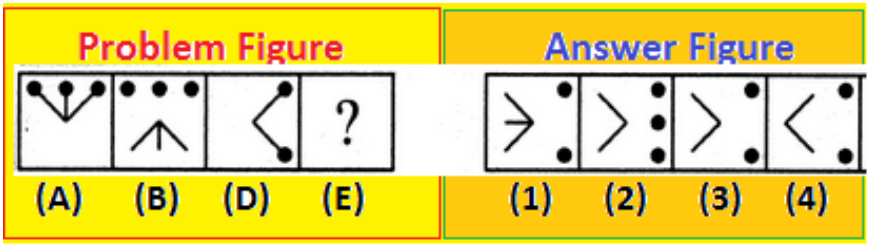
- A: 1
- B: 2
- C: 3
- D: 4

2. **Select a suitable figure from the Answer Figures (?).**



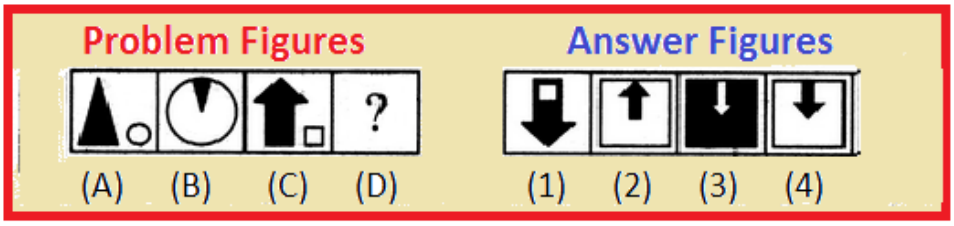
- A: 1
- B: 2
- C: 3
- D: 4

3. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**



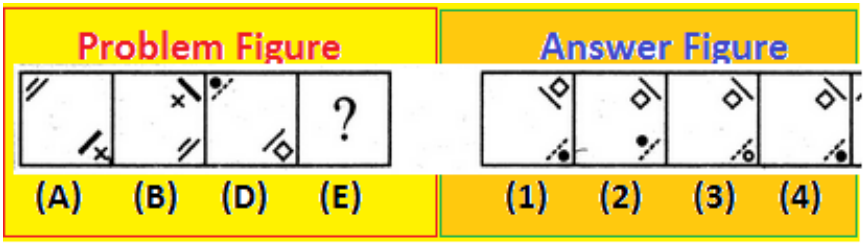
- A: 1
- B: 2
- C: 3
- D: 4

4. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**



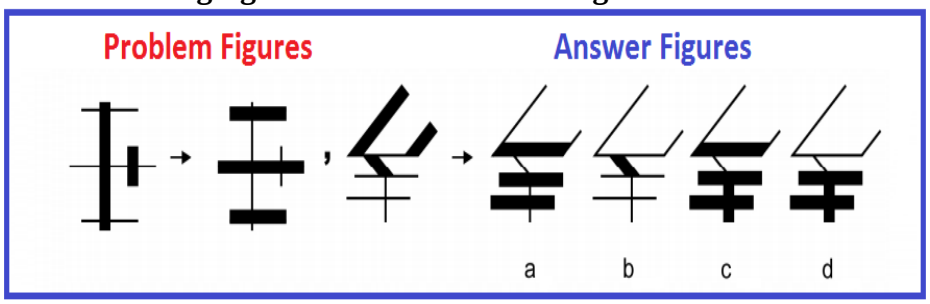
A: 1
B: 2
C: 3
D: 4

5. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**



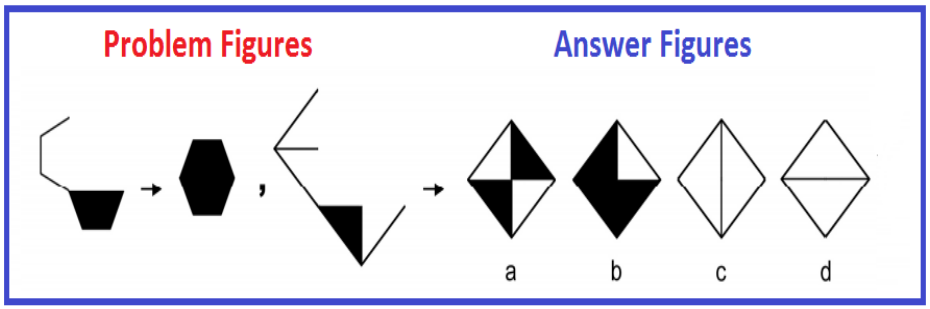
A: 1
B: 2
C: 3
D: 4

6. **Find the missing figure from four Answer Figures.**



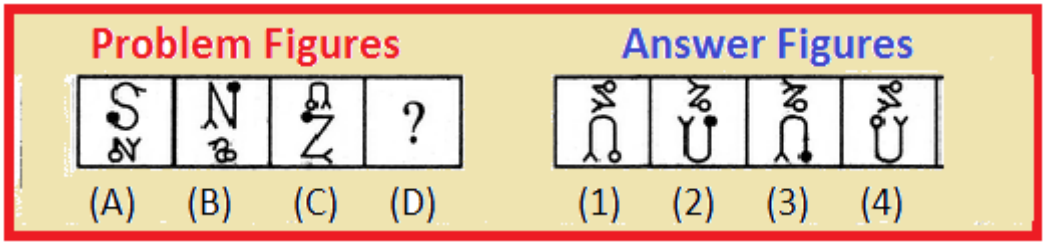
A: a
B: b
C: c
D: d

7. **Select a suitable figure from the Answer Figures ?.**



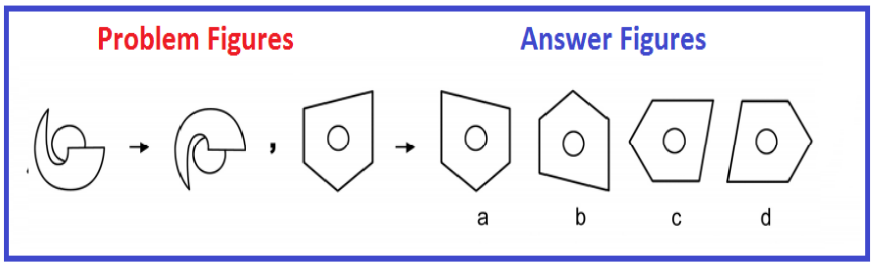
A: 1
B: 2
C: 3
D: 4

8. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**

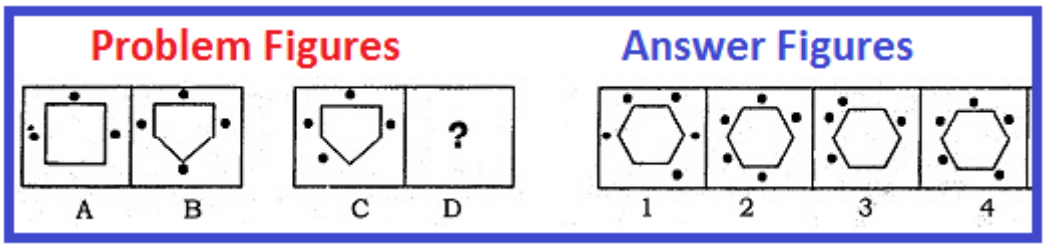


- A: 1
- B: 2
- C: 3
- D: 4

9. **elect a suitable figure from the Answer Figures ?.**

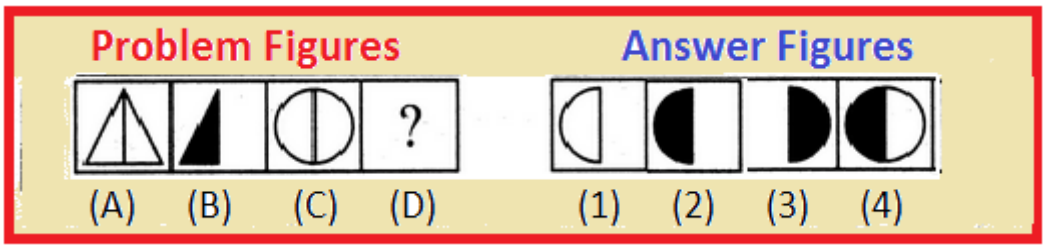


- A: a
- B: b
- C: c
- D: d

10. 

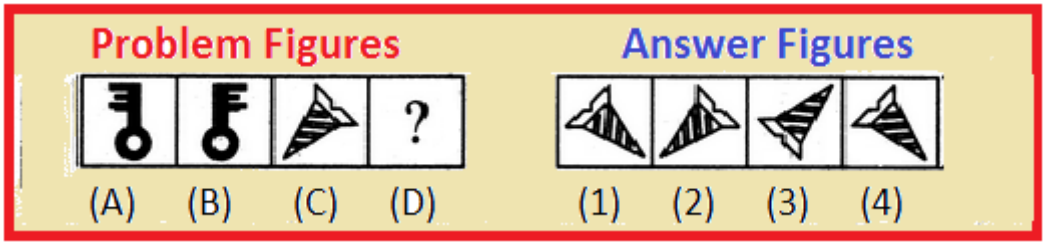
- A: 1
- B: 2
- C: 3
- D: 4

11. **Select a suitable figure from the Answer Figures that would replace the question mark (?).**



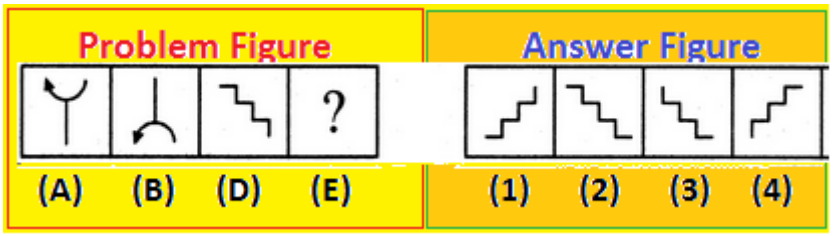
- A: 1
- B: 2
- C: 3
- D: 4

12. Select a suitable figure from the Answer Figures that would replace the question mark (?).



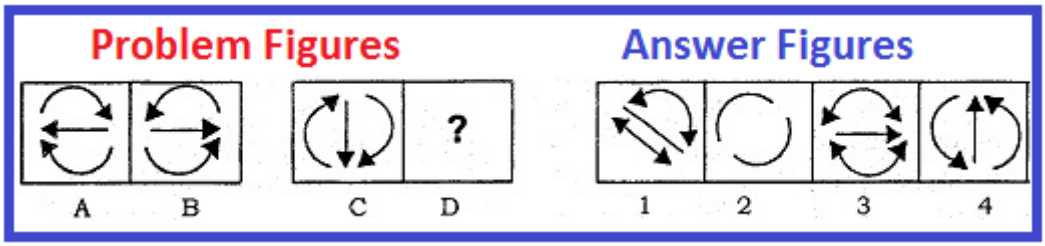
- A: 1
- B: 2
- C: 3
- D: 4

13. Select a suitable figure from the Answer Figures that would replace the question mark (?).



- A: 1
- B: 2
- C: 3
- D: 4

14.



- A: 1
- B: 2
- C: 3
- D: 4

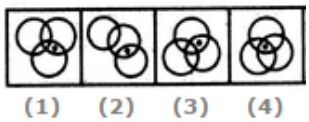
Odd Figure Out

TEST 1

1. **Choose the figure which is different from the rest.**

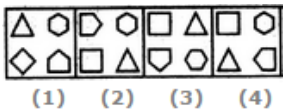
A: 1 B: 2
C: 3 D: 4

2. **Choose the figure which is different from the rest.**



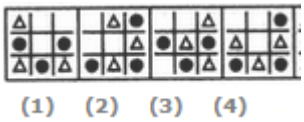
A: 1 B: 2
C: 3 D: 4

3. **Choose the figure which is different from the rest.**



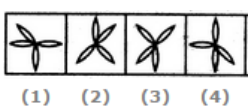
A: 1 B: 2
C: 3 D: 4

4. **Choose the figure which is different from the rest.**



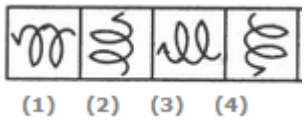
A: 1 B: 2
C: 3 D: 4

5. **Choose the figure which is different from the rest.**



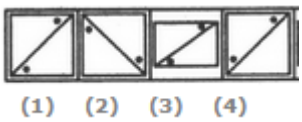
A: 1 B: 2
C: 3 D: 4

6. **Choose the figure which is different from the rest.**



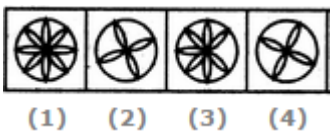
A: 1
B: 2
C: 3
D: 4

7. **Choose the figure which is different from the rest.**



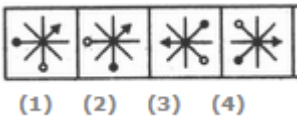
A: 1
B: 2
C: 3
D: 4

8. **Choose the figure which is different from the rest.**



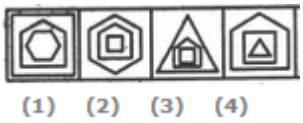
A: 1
B: 2
C: 3
D: 4

9. **Choose the figure which is different from the rest.**



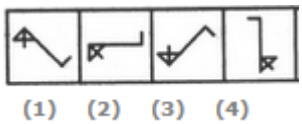
A: 1
B: 2
C: 3
D: 4

10. **Choose the figure which is different from the rest.**



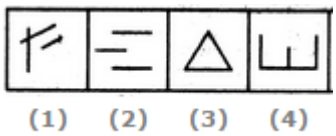
A: 1
B: 2
C: 3
D: 4

11. Choose the figure which is different from the rest.



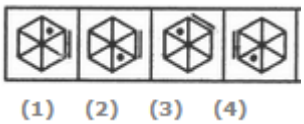
A: 1
B: 2
C: 3
D: 4

12. Choose the figure which is different from the rest.



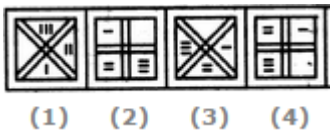
A: 1
B: 2
C: 3
D: 4

13. Choose the figure which is different from the rest.



A: 1
B: 2
C: 3
D: 4

14. Choose the figure which is different from the rest.

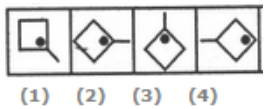


A: 1
B: 2
C: 3
D: 4

15. Choose the figure which is different from the rest.

A: 1
B: 2
C: 3
D: 4

16. Choose the figure which is different from the rest.

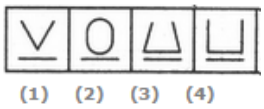


A: 1
B: 2
C: 3
D: 4

17. Choose the figure which is different from the rest.

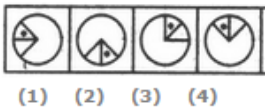
A: 1
B: 2
C: 3
D: 4

18. Choose the figure which is different from the rest.



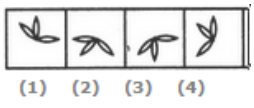
A: 1
B: 2
C: 3
D: 4

19. Choose the figure which is different from the rest.



A: 1
B: 2
C: 3
D: 4

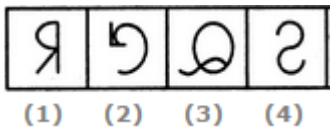
20. Choose the figure which is different from the rest.



A: 1
B: 2
C: 3
D: 4

TEST 2

1. **Choose the figure which is different from the rest.**

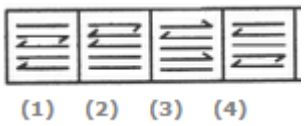


A: 1
B: 2
C: 3
D: 4

2. **Choose the figure which is different from the rest.**

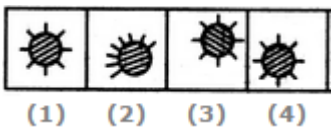
A: 1
B: 2
C: 3
D: 4

3. **Choose the figure which is different from the rest.**



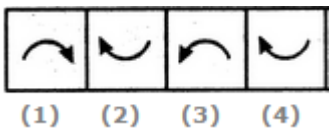
A: 1
B: 2
C: 3
D: 4

4. **Choose the figure which is different from the rest.**



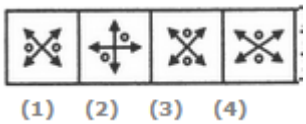
A: 1
B: 2
C: 3
D: 4

5. **Choose the figure which is different from the rest.**



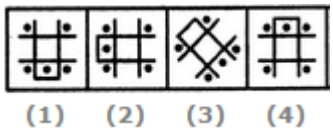
A: 1
B: 2
C: 3
D: 4

6. **Choose the figure which is different from the rest.**



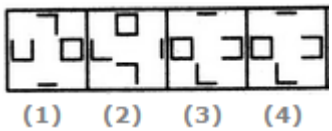
A: 1
B: 2
C: 3
D: 4

7. **Choose the figure which is different from the rest.**



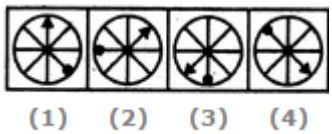
A: 1
B: 2
C: 3
D: 4

8. **Choose the figure which is different from the rest.**



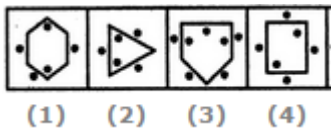
A: 1
B: 2
C: 3
D: 4

9. **Choose the figure which is different from the rest.**



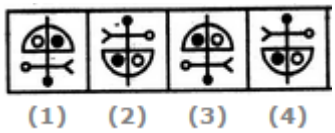
A: 1
B: 2
C: 3
D: 4

10. **Choose the figure which is different from the rest.**



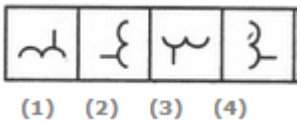
A: 1
B: 2
C: 3
D: 4

11. Choose the figure which is different from the rest.



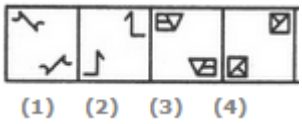
A: 1
B: 2
C: 3
D: 4

12. Choose the figure which is different from the rest.



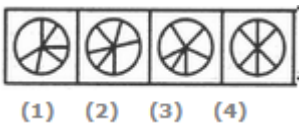
A: 1
B: 2
C: 3
D: 4

13. Choose the figure which is different from the rest.



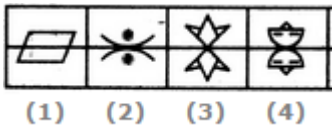
A: 1
B: 2
C: 3
D: 4

14. Choose the figure which is different from the rest.



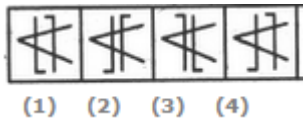
A: 1
B: 2
C: 3
D: 4

15. Choose the figure which is different from the rest.



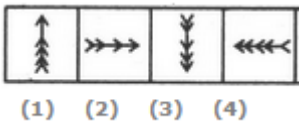
A: 1
B: 2
C: 3
D: 4

16. Choose the figure which is different from the rest.



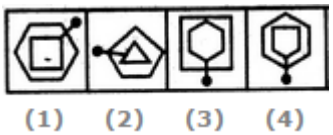
A: 1
B: 2
C: 3
D: 4

17. Choose the figure which is different from the rest.



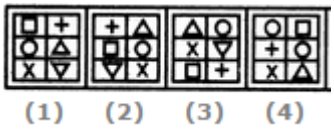
A: 1
B: 2
C: 3
D: 4

18. Choose the figure which is different from the rest.



A: 1
B: 2
C: 3
D: 4

19. Choose the figure which is different from the rest.



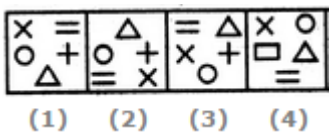
A: 1
B: 2
C: 3
D: 4

TEST 3

1. **Choose the figure which is different from the rest.**

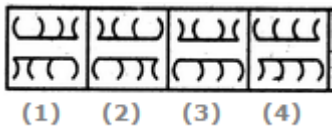
A: 1
B: 2
C: 3
D: 4

2. **Choose the figure which is different from the rest.**



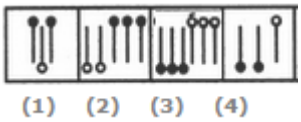
A: 1
B: 2
C: 3
D: 4

3. **Choose the figure which is different from the rest.**



A: 1
B: 2
C: 3
D: 4

4. **Choose the figure which is different from the rest.**

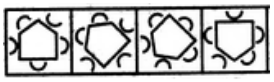


A: 1
B: 2
C: 3
D: 4

5. **Choose the figure which is different from the rest.**

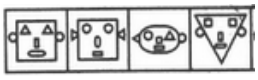
A: 1
B: 2
C: 3
D: 4

6. **Choose the figure which is different from the rest.**



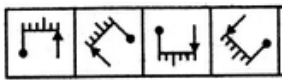
A: 1
B: 2
C: 3
D: 4

7. **Choose the figure which is different from the rest.**



A: 1
B: 2
C: 3
D: 4

8. **Choose the figure which is different from the rest.**

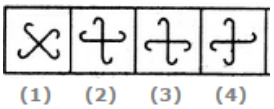


A: 1
B: 2
C: 3
D: 4

9. **Choose the figure which is different from the rest.**

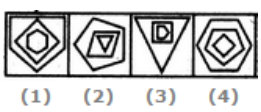
A: 1
B: 2
C: 3
D: 4

10. **Choose the figure which is different from the rest.**



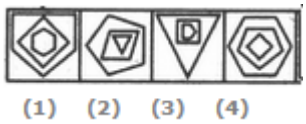
A: 1
B: 2
C: 3
D: 4

11. **Choose the figure which is different from the rest.**



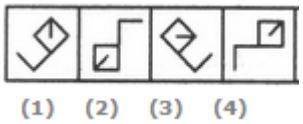
A: 1
B: 2
C: 3
D: 4

12. Choose the figure which is different from the rest.



A: 1
B: 2
C: 3
D: 4

13. Choose the figure which is different from the rest.

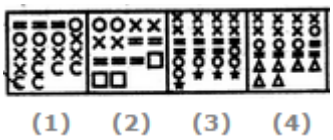


A: 1
B: 2
C: 3
D: 4

14. Choose the figure which is different from the rest.

A: 1
B: 2
C: 3
D: 4

15. Choose the figure which is different from the rest.



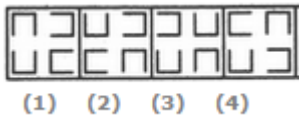
A: 1
B: 2
C: 3
D: 4

16. Choose the figure which is different from the rest.

A: 1
B: 2
C: 3
D: 4

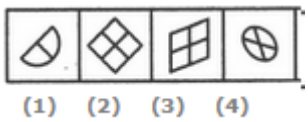
TEST 4

1. **Choose the figure which is different from the rest.**



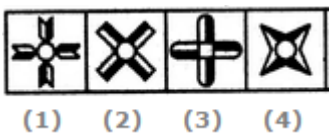
A: 1
B: 2
C: 3
D: 4

2. **Choose the figure which is different from the rest.**



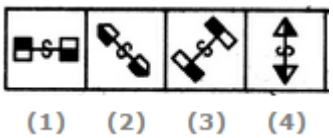
A: 1
B: 2
C: 3
D: 4

3. **Choose the figure which is different from the rest.**



A: 1
B: 2
C: 3
D: 4

4. **Choose the figure which is different from the rest.**



A: 1
B: 2
C: 3
D: 4

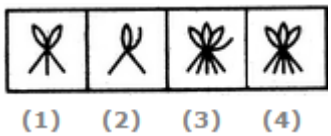
5. **Choose the figure which is different from the rest.**

A: 1
B: 2
C: 3
D: 4

6. **Choose the figure which is different from the rest.**

A: 1
B: 2
C: 3
D: 4

7. **Choose the figure which is different from the rest.**

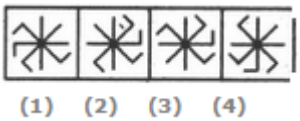


A: 1
B: 2
C: 3
D: 4

8. **Choose the figure which is different from the rest.**

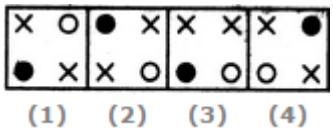
A: 1
B: 2
C: 3
D: 4

9. **Choose the figure which is different from the rest.**



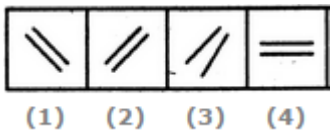
A: 1
B: 2
C: 3
D: 4

10. **Choose the figure which is different from the rest.**



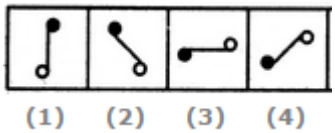
A: 1
B: 2
C: 3
D: 4

11. Choose the figure which is different from the rest.



A: 1
B: 2
C: 3
D: 4

12. Choose the figure which is different from the rest.



A: 1
B: 2
C: 3
D: 4

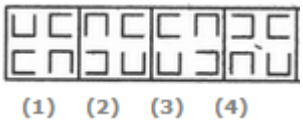
13. Choose the figure which is different from the rest.

A: 1
B: 2
C: 3
D: 4

14. Choose the figure which is different from the rest.

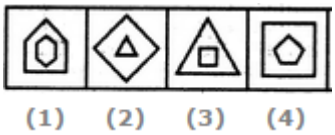
A: 1
B: 2
C: 3
D: 4

15. Choose the figure which is different from the rest.



A: 1
B: 2
C: 3
D: 4

16. Choose the figure which is different from the rest.

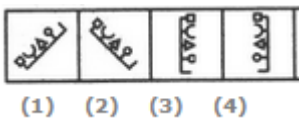


A: 1
B: 2
C: 3
D: 4

17. Choose the figure which is different from the rest.

A: 1
B: 2
C: 3
D: 4

18. Choose the figure which is different from the rest.



A: 1
B: 2
C: 3
D: 4

19. Choose the figure which is different from the rest.

A: 1
B: 2
C: 3
D: 4

Mirror & Water Images

TEST 1

1. Choose the alternative which resembles the mirror image of the given combination.

TERMINATE

(1) TƎЯMIИATƎ (2) ƎTAИIWЯƎT

(3) ƎTAИIMЯƎT (4) ETAИIMЯƎT

A: 1 B: 2

C: 3 D: 4

2. Choose the alternative which resembles the mirror image of the given combination.

JUDGEMENT

(1) TNEMEGDUJ (2) TИƎMƎGDUL

(3) TИƎMƎGDUL (4) LUDGƎMƎИT

A: 1 B: 2

C: 3 D: 4

3. Choose the alternative which resembles the water image of the given combination.

ACOUSTIC

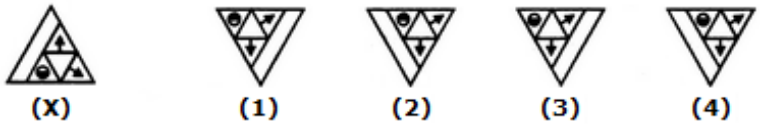
(1) ∀ↃOИSTIC (2) ∀COИSTIC

(3) ∀COИSTIC (4) ∀COИSTIC

A: 1 B: 2

C: 3 D: 4

4. Choose the alternative which resembles the water image of the given combination.



A: 1 B: 2

C: 3 D: 4

5. **Choose the alternative which resembles the water image of the given combination.**

NUCLEAR

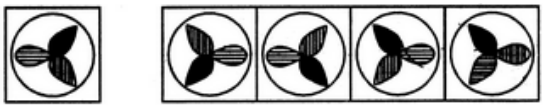
(1) ЯAEƚCUИ (2) ИUCƚEAЯ

(3) ИUCƚƎAЯ (4) ИUCƚEAЯ

A: 1 B: 2

C: 3 D: 4

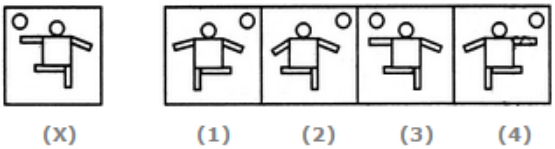
6. **Choose the alternative which resembles the mirror image of the given combination.**



A: 1 B: 2

C: 3 D: 4

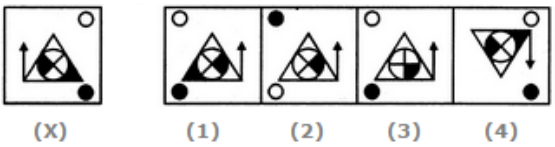
7. **Choose the alternative which resembles the mirror image of the given combination.**



A: 1 B: 2

C: 3 D: 4

8. **Choose the alternative which resembles the mirror image of the given combination.**



A: 1 B: 2

C: 3 D: 4

9. **Choose the alternative which resembles the mirror image of the given combination.**

ANS43Q12

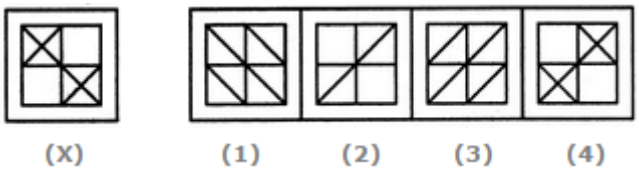
(1) ANSƭƎQ1Ƨ (2) Ƨ1QƎƭSNA

(3) SNAƎƭQ1Ƨ (4) 1ƧQƭƎANS

A: 1 B: 2

C: 3 D: 4

10. Choose the alternative which resembles the mirror image of the given combination.



A: 1
B: 2
C: 3
D: 4

11. Choose the alternative which resembles the water image of the given combination.

E8t4e9C
(1) Ǝ8ㅏ4e9Ↄ
(2) E8ㅏ4e9Ↄ
(3) Ǝ8ㅏ4e9C
(4) E8ㅏ4e9C

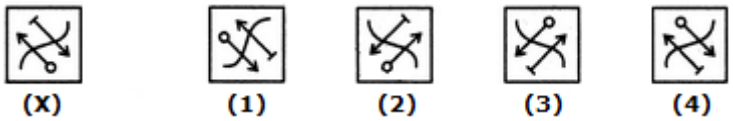
A: 1
B: 2
C: 3
D: 4

12. Choose the alternative which resembles the mirror image of the given combination.

QUALITY
(1) ↃUAꞀITY
(2) YTILAUQ
(3) YTIꞀAUↃ
(4) YTIꞀAUO

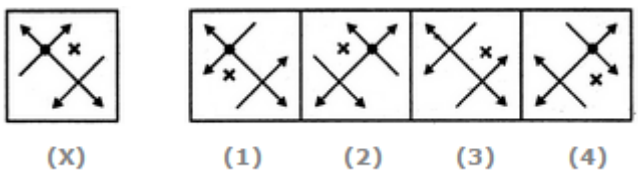
A: 1
B: 2
C: 3
D: 4

13. Choose the alternative which resembles the water image of the given combination.



A: 1
B: 2
C: 3
D: 4

14. Choose the alternative which resembles the mirror image of the given combination.



A: 1
B: 2
C: 3
D: 4

15. Choose the alternative which resembles the mirror image of the given combination.

247596

(1) 695742 (2) 9ϬSΓ4S

(3) S4Γ5Ϭ9 (4) ϬϬΓ5Γ4S

A: 1 B: 2

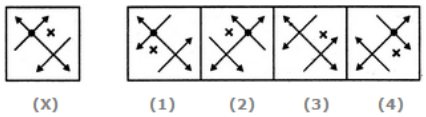
C: 3 D: 4

16. Choose the alternative which resembles the water image of the given combination.

A: 1 B: 2

C: 3 D: 4

17. Choose the alternative which resembles the mirror image of the given combination.



A: 1 B: 2

C: 3 D: 4

18. Choose the alternative which resembles the mirror image of the given combination.

REASONING

(1) ꓤEAƧONIИG (2) GИIИOƧAƎЯ

(3) ЯƎAƧONIИG (4) GИIИOSAƎЯ

A: 1 B: 2

C: 3 D: 4

19. Choose the alternative which resembles the water image of the given combination.

bridge

(1) pɹıdƃe (2) pʟıdƃe

(3) pɹıdƃe (4) pʟıpƃe

A: 1 B: 2

C: 3 D: 4

20. Choose the alternative which resembles the water image of the given combination.

A1M3b

(1) ∀ꟻW3d (2) ∀ꟻW3d

(3) ∀ꟻW3d (4) ∀ꟻW3d

A: 1 B: 2

C: 3 D: 4

TEST 2

1. **Choose the alternative which resembles the water image of the given combination.**

ab45CD67

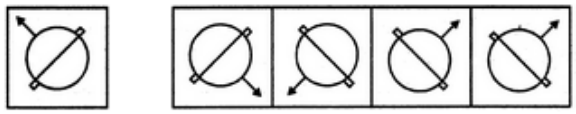
(1) ap⊀2CDϑ⅃ (2) ɐp⊀2CDϑ⅃

(3) ɐp⊬2CD9⅃ (4) ɐp⊬2CDϑ⅃

A: 1 B: 2

C: 3 D: 4

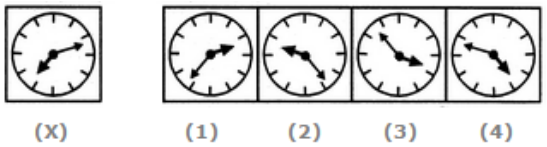
2. **Choose the alternative which resembles the mirror image of the given combination.**



A: 1 B: 2

C: 3 D: 4

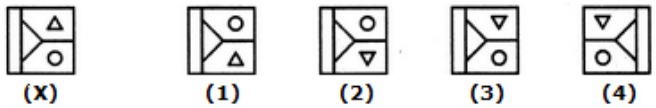
3. **Choose the alternative which resembles the mirror image of the given combination.**



A: 1 B: 2

C: 3 D: 4

4. **Choose the alternative which resembles the water image of the given combination.**



A: 1 B: 2

C: 3 D: 4

5. **Choose the alternative which resembles the mirror image of the given combination.**

GEOGRAPHY

(1) YHϤAЯGOƎG (2) YHPARGOEG

(3) ʎHϤAЯGOƎG (4) YHϤAЯGOƎG

A: 1 B: 2

C: 3 D: 4

6. Choose the alternative which resembles the mirror image of the given combination.

DL9CG4728

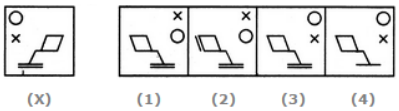
(1) 8274GC9LD (2) DL9CG4728

(3) 8274GC9LD (4) DL9CG4728

A: 1 B: 2

C: 3 D: 4

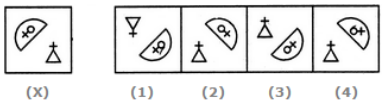
7. Choose the alternative which resembles the mirror image of the given combination.



A: 1 B: 2

C: 3 D: 4

8. Choose the alternative which resembles the mirror image of the given combination.



A: 1 B: 2

C: 3 D: 4

9. Choose the alternative which resembles the mirror image of the given combination.

INFORMATIONS

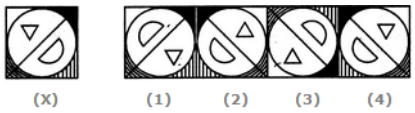
(1) INFORMATIONS (2) INFORMATIONS

(3) INFORMATIONS (4) INFORMATIONS

A: 1 B: 2

C: 3 D: 4

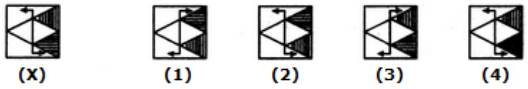
10. Choose the alternative which resembles the mirror image of the given combination.



A: 1 B: 2

C: 3 D: 4

11. Choose the alternative which resembles the water image of the given combination.

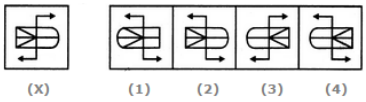


A: 1 B: 2

C: 3 D: 4

TEST 3

1. **Choose the alternative which resembles the mirror image of the given combination.**



A: 1 B: 2
C: 3 D: 4

2. **Choose the alternative which resembles the water image of the given combination.**

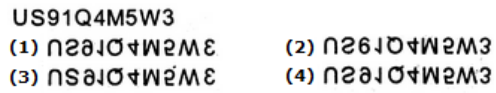
A: 1 B: 2
C: 3 D: 4

3. **Choose the alternative which resembles the water image of the given combination.**

A: 1 B: 2
C: 3 D: 4

4. **Choose the alternative which resembles the water image of the given combination.**

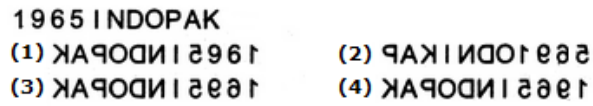
US91Q4M5W3



A: 1 B: 2
C: 3 D: 4

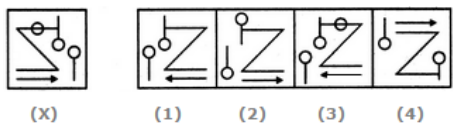
5. **Choose the alternative which resembles the mirror image of the given combination.**

1965 INDOPAK



A: 1 B: 2
C: 3 D: 4

6. **Choose the alternative which resembles the mirror image of the given combination.**



A: 1 B: 2
C: 3 D: 4

7. **Choose the alternative which resembles the water image of the given combination.**

GR98AP76ES

(1) ƧƐ9ϚΛd⊥9ƧƆ (2) ƧƐ9ϚΛd⊥9ƧƆ

(3) ƧƐ9ϚΛd⊥9ƧƆ (4) ƧƐ9ϚΛd⊥9ƧƆ

A: 1 B: 2

C: 3 D: 4

8. **Choose the alternative which resembles the mirror image of the given combination.**

UTZFY6KH

(1) HK9Y⅁⅂TU (2) ∩⊥Z⅁Y9KH

(3) HK9Y⅄⅂TU (4) HK9Y⅁⅂TU

A: 1 B: 2

C: 3 D: 4

9. **Choose the alternative which resembles the mirror image of the given combination.**

SUPERVISOR

(1) ЯOSIVЯƎdUS (2) ƧUdƎЯVISOЯ

(3) ЯSOUdSƎЯIV (4) ƧUdƎЯVIOSЯ

A: 1 B: 2

C: 3 D: 4

10. **Choose the alternative which resembles the mirror image of the given combination.**

EFFECTIVE

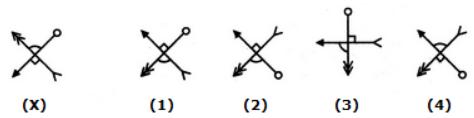
(1) ƎVITƆƎFFƎ (2) EVITCEFFE

(3) ƎFFƎƆTIVƎ (4) ƎVITƆƎFFƎ

A: 1 B: 2

C: 3 D: 4

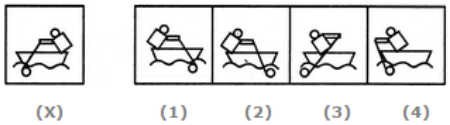
11. **Choose the alternative which resembles the water image of the given combination.**



A: 1 B: 2

C: 3 D: 4

12. **Choose the alternative which resembles the mirror image of the given combination.**



A: 1 B: 2

C: 3 D: 4

Pattern Completion

TEST 1

1. Identify the figure that completes the pattern.

A: 1
B: 2
C: 3
D: 4

2. Identify the figure that completes the pattern.

A: 1
B: 2
C: 3
D: 4

3. Identify the figure that completes the pattern.

A: 1
B: 2
C: 3
D: 4

4. Identify the figure that completes the pattern.

A: 1
B: 2
C: 3
D: 4

5.

A: 1
B: 2
C: 3
D: 4

6. Identify the figure that completes the pattern.

A: 1
B: 2
C: 3
D: 4

7. Identify the figure that completes the pattern.

A: 1
B: 2
C: 3
D: 4

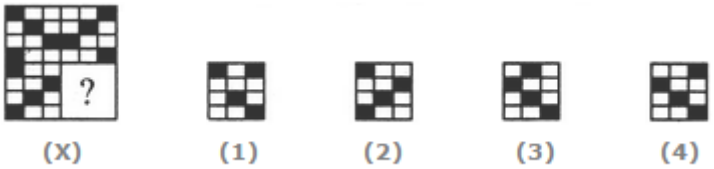
8. Identify the figure that completes the pattern.

A: 1
B: 2
C: 3
D: 4

9. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

10. Identify the figure that completes the pattern.



- A: 1
- B: 2
- C: 3
- D: 4

11. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

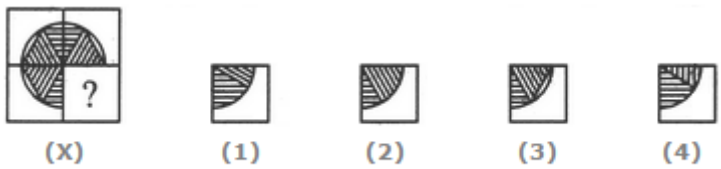
12. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

13. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

14. Identify the figure that completes the pattern.



- A: 1
- B: 2
- C: 3
- D: 4

15. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

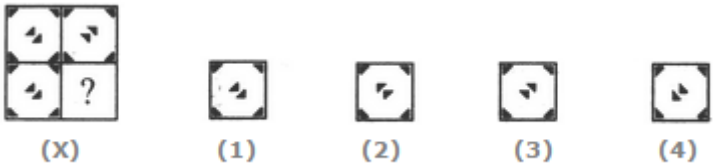
16. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

17. Identify the figure that completes the pattern.

A: 1
B: 2
C: 3
D: 4

18. Identify the figure that completes the pattern.



A: 1
B: 2
C: 3
D: 4

19. Identify the figure that completes the pattern.

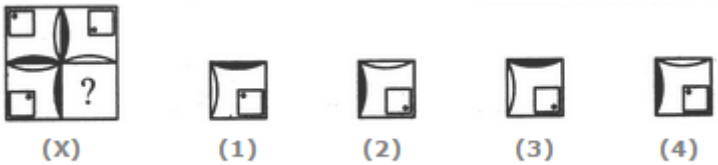
A: 1
B: 2
C: 3
D: 4

TEST 2

1. **Identify the figure that completes the pattern.**

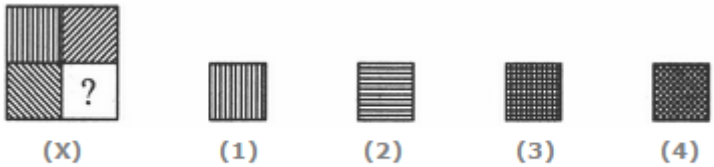
A: 1
B: 2
C: 3
D: 4

2. **Identify the figure that completes the pattern.**



A: 1
B: 2
C: 3
D: 4

3. **Identify the figure that completes the pattern.**

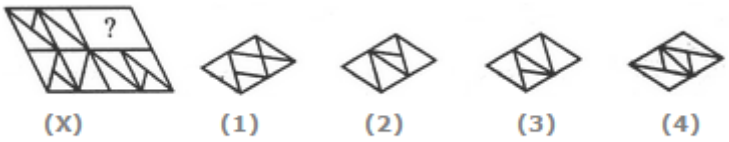


A: 1
B: 2
C: 3
D: 4

4. **Identify the figure that completes the pattern.**

A: 1
B: 2
C: 3
D: 4

5. **Identify the figure that completes the pattern.**



A: 1
B: 2
C: 3
D: 4

6. **Identify the figure that completes the pattern.**

A: 1
B: 2
C: 3
D: 4

7. **Identify the figure that completes the pattern.**

A: 1
B: 2
C: 3
D: 4

8. **Identify the figure that completes the pattern.**

A: 1
B: 2
C: 3
D: 4

9. Identify the figure that completes the pattern.

A: 1
B: 2
C: 3
D: 4

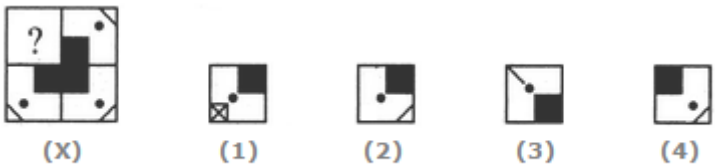
10. Identify the figure that completes the pattern.

A: 1
B: 2
C: 3
D: 4

11. Identify the figure that completes the pattern.

A: 1
B: 2
C: 3
D: 4

12. Identify the figure that completes the pattern.



A: 1
B: 2
C: 3
D: 4

13. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

14. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

15. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

TEST 3

1. **Identify the figure that completes the pattern.**

A: 1
B: 2
C: 3
D: 4

2. **Identify the figure that completes the pattern.**

A: 1
B: 2
C: 3
D: 4

3. **Identify the figure that completes the pattern.**

A: 1
B: 2
C: 3
D: 4

4. **Identify the figure that completes the pattern.**

A: 1
B: 2
C: 3
D: 4

5. **Identify the figure that completes the pattern.**

- A: 1
- B: 2
- C: 3
- D: 4

6. **Identify the figure that completes the pattern.**

- A: 1
- B: 2
- C: 3
- D: 4

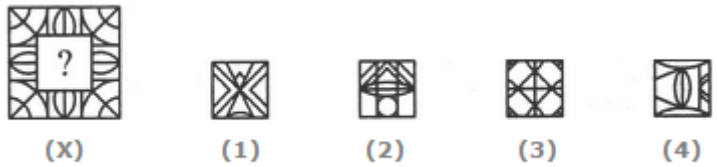
7. **Identify the figure that completes the pattern.**

- A: 1
- B: 2
- C: 3
- D: 4

8. **Identify the figure that completes the pattern.**

- A: 1
- B: 2
- C: 3
- D: 4

9. Identify the figure that completes the pattern.

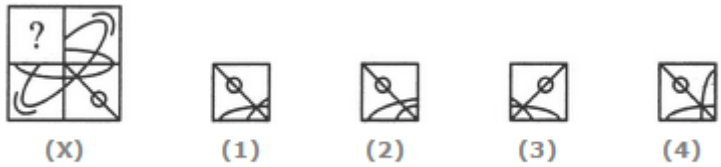


- A: 1
- B: 2
- C: 3
- D: 4

10. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

11. Identify the figure that completes the pattern.



- A: 1
- B: 2
- C: 3
- D: 4

12. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

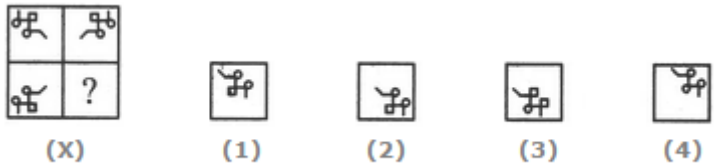
13. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

14. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

15. Identify the figure that completes the pattern.



- A: 1
- B: 2
- C: 3
- D: 4

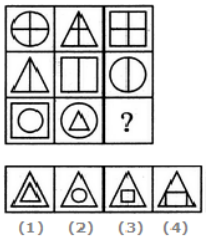
16. Identify the figure that completes the pattern.

- A: 1
- B: 2
- C: 3
- D: 4

Figure Matrix

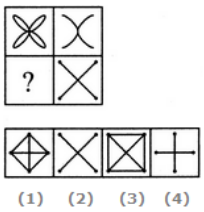
TEST 1

1. Select a suitable figure from the four alternatives that would complete the figure matrix.



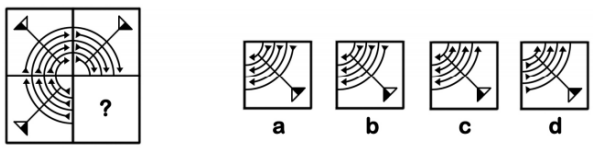
A: 1
B: 2
C: 3
D: 4

2. Select a suitable figure from the four alternatives that would complete the figure matrix.



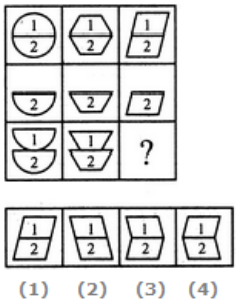
A: 1
B: 2
C: 3
D: 4

3. Find which shape will full the empty square.



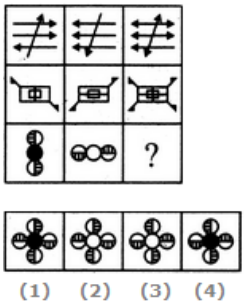
A: a
B: b
C: c
D: d

4. Select a suitable figure from the four alternatives that would complete the figure matrix



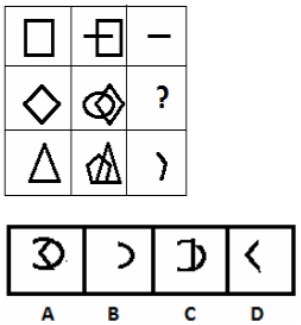
A: 1
B: 2
C: 3
D: 4

5. **Select a suitable figure from the four alternatives that would complete the figure matrix.**



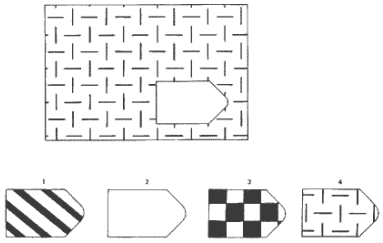
A: 1
B: 2
C: 3
D: 4

6. **Select a suitable figure from the four alternatives that would complete the figure matrix.**



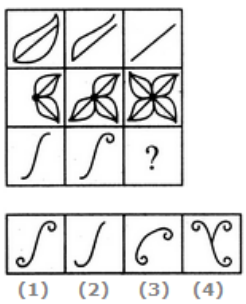
A: 1
B: 2
C: 3
D: 4

7. **Find which shape will full the missing part of the figure.**



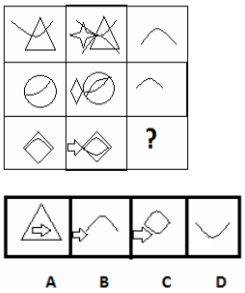
A: 1
B: 2
C: 3
D: 4

8. **Select a suitable figure from the four alternatives that would complete the figure matrix.**



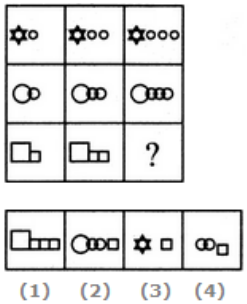
A: 1
B: 2
C: 3
D: 4

9. Select a suitable figure from the four alternatives that would complete the figure matrix.



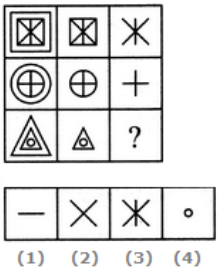
A: 1
B: 2
C: 3
D: 4

10. Select a suitable figure from the four alternatives that would complete the figure matrix.



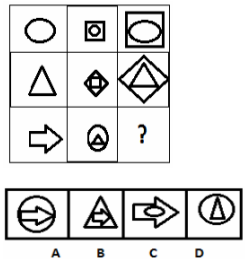
A: 1
B: 2
C: 3
D: 4

11. Select a suitable figure from the four alternatives that would complete the figure matrix.



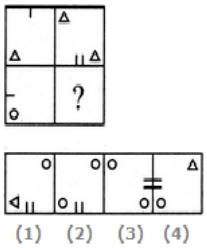
A: 1
B: 2
C: 3
D: 4

12. Select a suitable figure from the four alternatives that would complete the figure matrix.



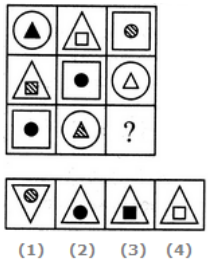
A: 1
B: 2
C: 3
D: 4

13. Select a suitable figure from the four alternatives that would complete the figure matrix.



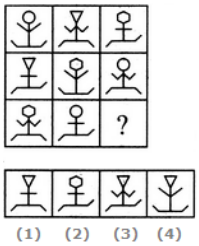
A: 1
B: 2
C: 3
D: 4

14. Select a suitable figure from the four alternatives that would complete the figure matrix.



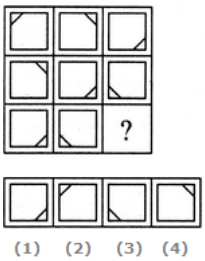
A: 1
B: 2
C: 3
D: 4

15. Select a suitable figure from the four alternatives that would complete the figure matrix.



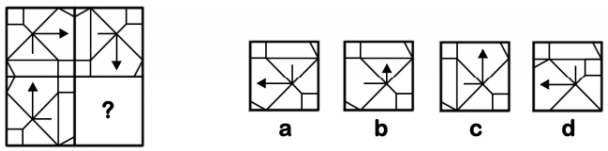
A: 1
B: 2
C: 3
D: 4

16. Select a suitable figure from the four alternatives that would complete the figure matrix.



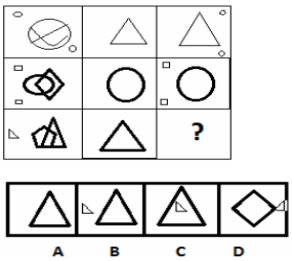
A: 1
B: 2
C: 3
D: 4

17. Find which shape will full the empty square.



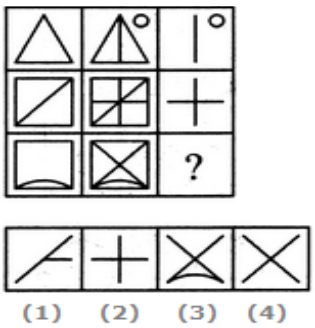
A: a
B: b
C: c
D: d

18. Select a suitable figure from the four alternatives that would complete the figure matrix.



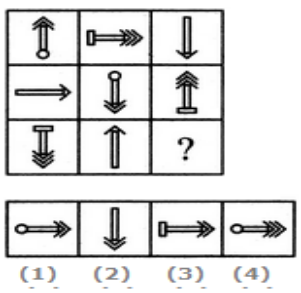
A: 1
B: 2
C: 3
D: 4

19. Select a suitable figure from the four alternatives that would complete the figure matrix.



A: 1
B: 2
C: 3
D: 4

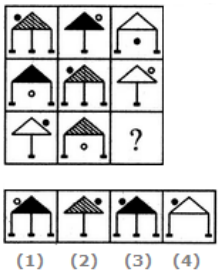
20. Select a suitable figure from the four alternatives that would complete the figure matrix.



A: 1
B: 2
C: 3
D: 4

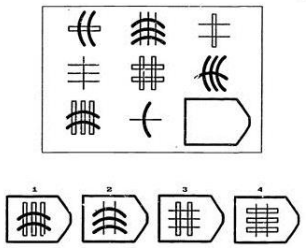
TEST 2

1. Select a suitable figure from the four alternatives that would complete the figure matrix.



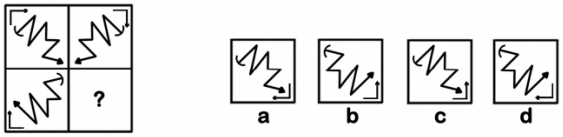
A: 1
B: 2
C: 3
D: 4

2. Select a suitable figure from the four alternatives that would complete the figure matrix.



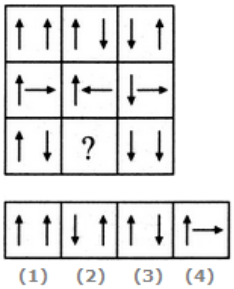
A: 1
B: 2
C: 3
D: 4

3. Find which shape will full the empty square.



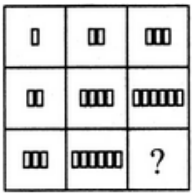
A: a
B: b
C: c
D: d

4. Select a suitable figure from the four alternatives that would complete the figure matrix.



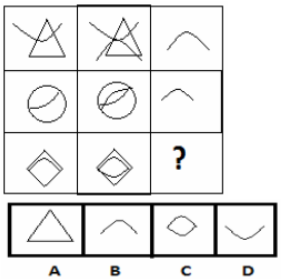
A: 1
B: 2
C: 3
D: 4

5. **Select a suitable figure from the four alternatives that would complete the figure matrix.**



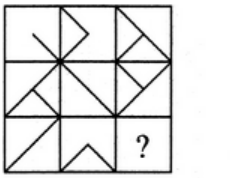
A: 1
B: 2
C: 3
D: 4

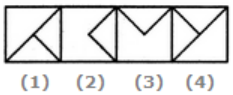
6. **Select a suitable figure from the four alternatives that would complete the figure matrix.**



A: 1
B: 2
C: 3
D: 4

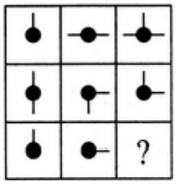
7. **Select a suitable figure from the four alternatives that would complete the figure matrix.**

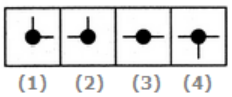




A: 1
B: 2
C: 3
D: 4

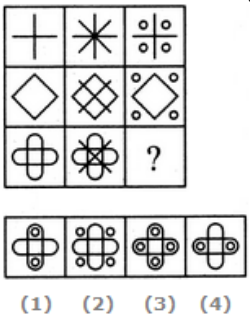
8. **Select a suitable figure from the four alternatives that would complete the figure matrix**





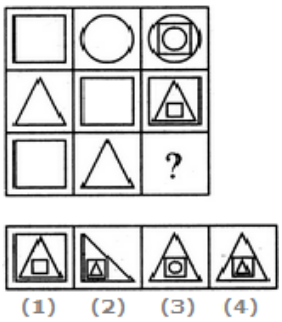
A: 1
B: 2
C: 3
D: 4

9. **Select a suitable figure from the four alternatives that would complete the figure matrix.**



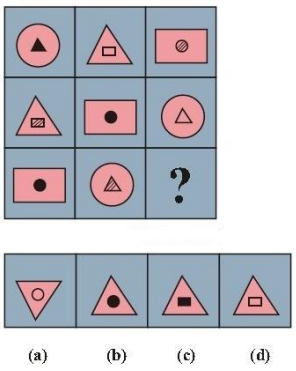
A: 1
B: 2
C: 3
D: 4

10. Select a suitable figure from the four alternatives that would complete the figure matrix.



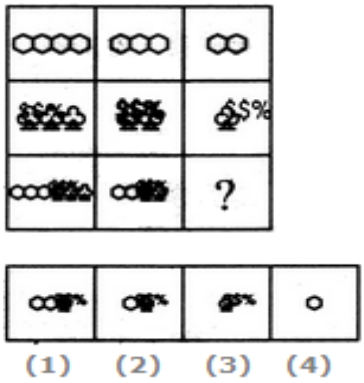
A: 1
B: 2
C: 3
D: 4

11. Find which shape will full the empty square.



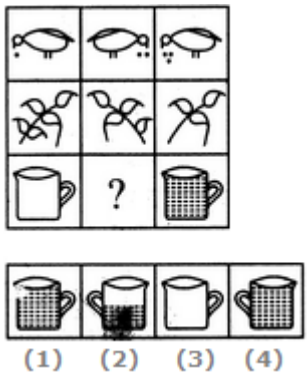
A: a
B: b
C: c
D: d

12. Select a suitable figure from the four alternatives that would complete the figure matrix.



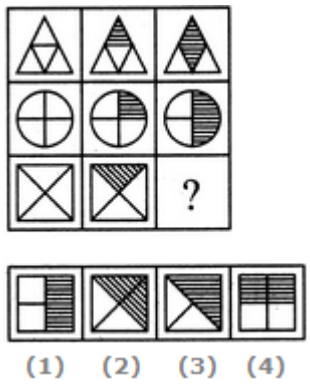
A: 1
B: 2
C: 3
D: 4

13. Select a suitable figure from the four alternatives that would complete the figure matrix.



A: 1
B: 2
C: 3
D: 4

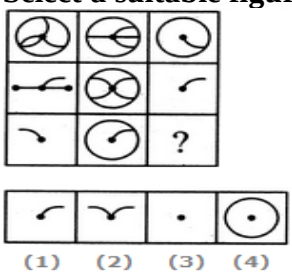
14. Select a suitable figure from the four alternatives that would complete the figure matrix.



A: 1
B: 2
C: 3
D: 4

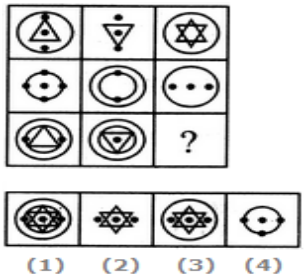
TEST 3

1. **Select a suitable figure from the four alternatives that would complete the figurematrix**



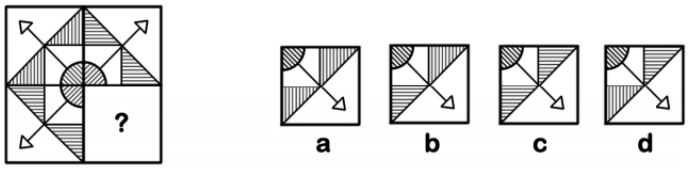
A: 1
B: 2
C: 3
D: 4

2. **Select a suitable figure from the four alternatives that would complete the figure matrix.**



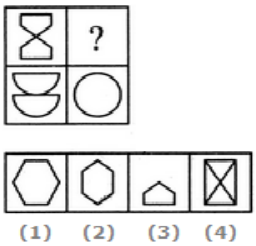
A: 1
B: 2
C: 3
D: 4

3. **Find which shape will full the empty square.**



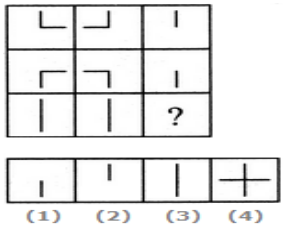
A: a
B: b
C: c
D: d

4. **Select a suitable figure from the four alternatives that would complete the figure matrix.**



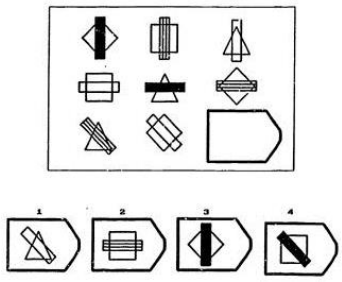
A: 1
B: 2
C: 3
D: 4

5. **Select a suitable figure from the four alternatives that would complete the figure matrix.**



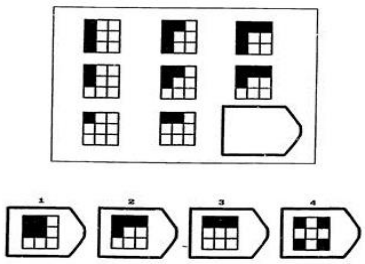
- A: 1
- B: 2
- C: 3
- D: 4

6. **Find the missing figure from four answer figures.**



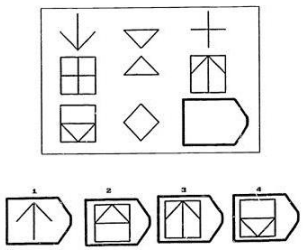
- A: 1
- B: 2
- C: 3
- D: 4

7. **Find the missing figure from Four Answer Figures.**



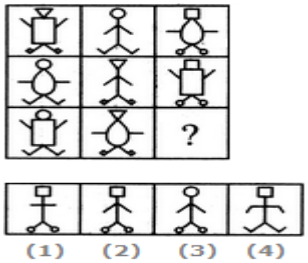
- A: 1
- B: 2
- C: 3
- D: 4

8. **Find the missing figure from four Answer Figures.**



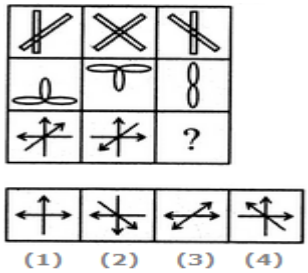
- A: 1
- B: 2
- C: 3
- D: 4

9. Select a suitable figure from the four alternatives that would complete the figure matrix.



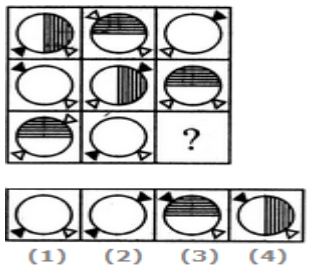
A: 1
B: 2
C: 3
D: 4

10. Select a suitable figure from the four alternatives that would complete the figure matrix.



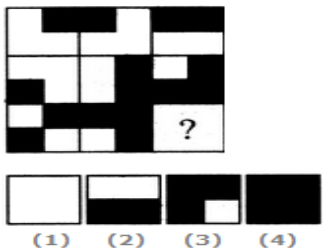
A: 1
B: 2
C: 3
D: 4

11. Select a suitable figure from the four alternatives that would complete the figure matrix.



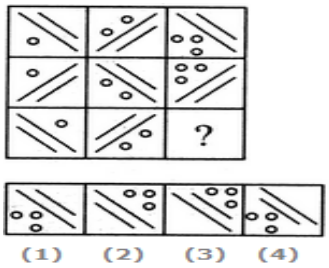
A: 1
B: 2
C: 3
D: 4

12. Select a suitable figure from the four alternatives that would complete the figure matrix.



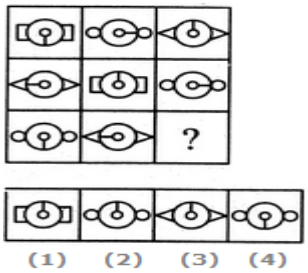
A: 1
B: 2
C: 3
D: 4

13. Select a suitable figure from the four alternatives that would complete the figure matrix.



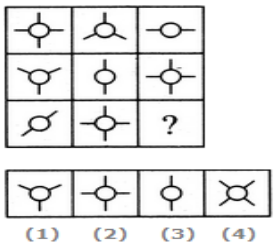
A: 1
B: 2
C: 3
D: 4

14. Select a suitable figure from the four alternatives that would complete the figure matrix.



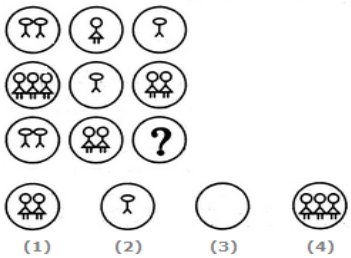
A: 1
B: 2
C: 3
D: 4

15. Select a suitable figure from the four alternatives that would complete the figure matrix.



A: 1
B: 2
C: 3
D: 4

16. Select a suitable figure from the four alternatives that would complete the figure matrix.

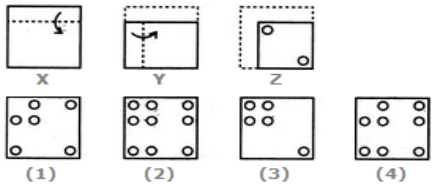


A: 1
B: 2
C: 3
D: 4

Paper Folding & Cutting

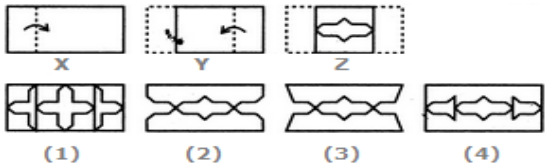
TEST 1

1. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



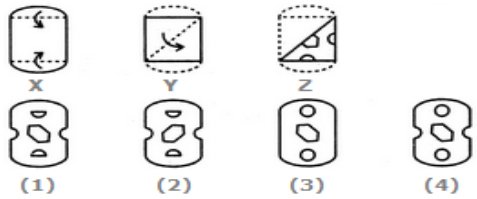
- A: 1
- B: 2
- C: 3
- D: 4

2. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



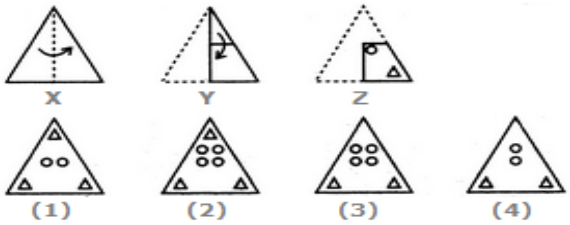
- A: 1
- B: 2
- C: 3
- D: 4

3. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



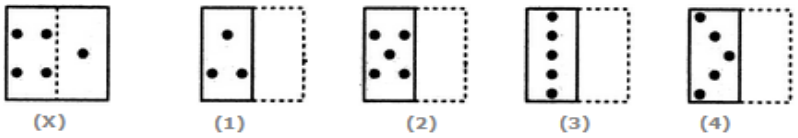
- A: 1
- B: 2
- C: 3
- D: 4

4. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



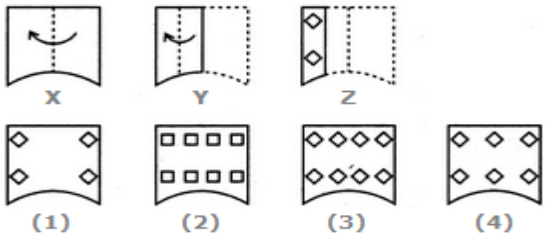
- A: 1
- B: 2
- C: 3
- D: 4

5. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



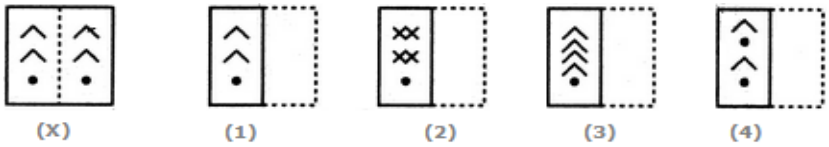
A: 1
B: 2
C: 3
D: 4

6. **Choose a figure which would most closely resemble the unfolded form of Figure (Z).**



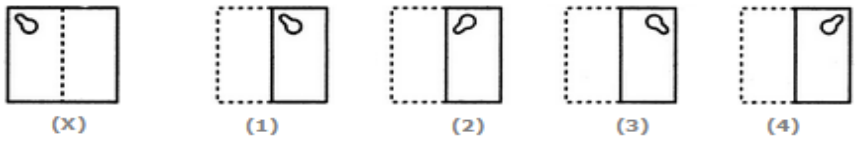
A: 1
B: 2
C: 3
D: 4

7. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



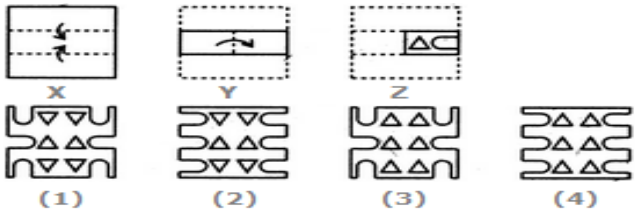
A: 1
B: 2
C: 3
D: 4

8. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



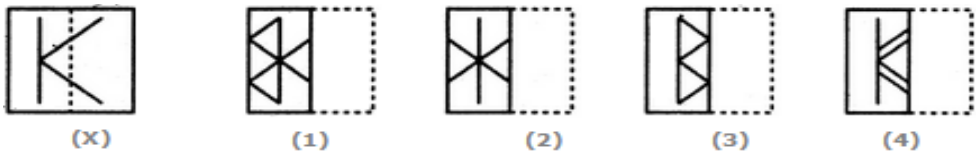
A: 1
B: 2
C: 3
D: 4

9. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



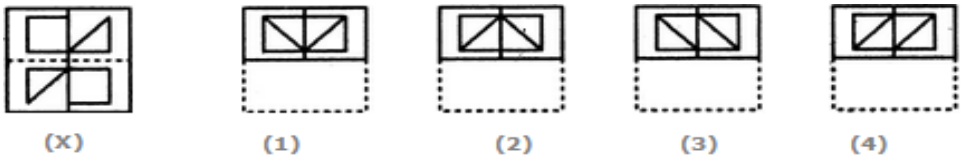
- A: 1
- B: 2
- C: 3
- D: 4

10. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



- A: 1
- B: 2
- C: 3
- D: 4

11. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

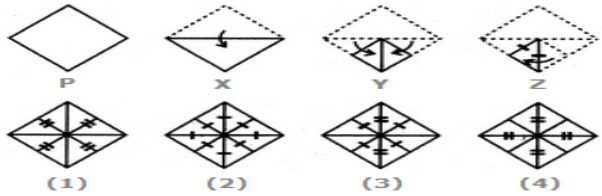


- A: 1
- B: 2
- C: 3
- D: 4

12. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

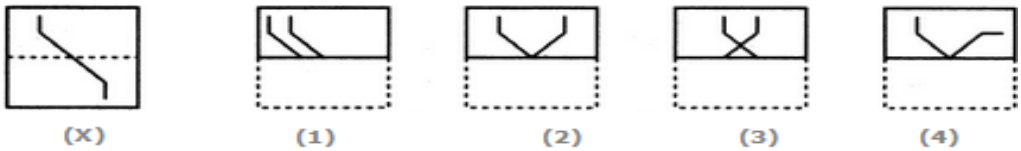
- A: 1
- B: 2
- C: 3
- D: 4

13. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



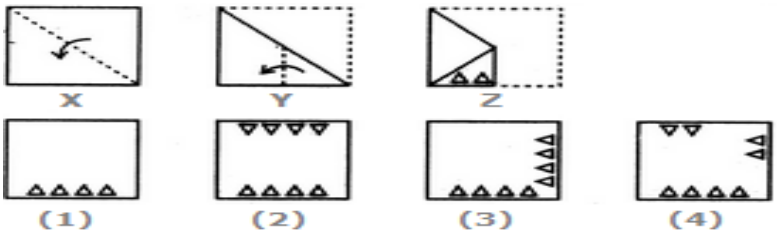
A: 1
B: 2
C: 3
D: 4

14. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



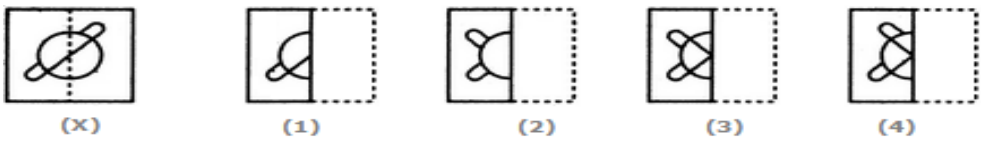
A: 1
B: 2
C: 3
D: 4

15. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



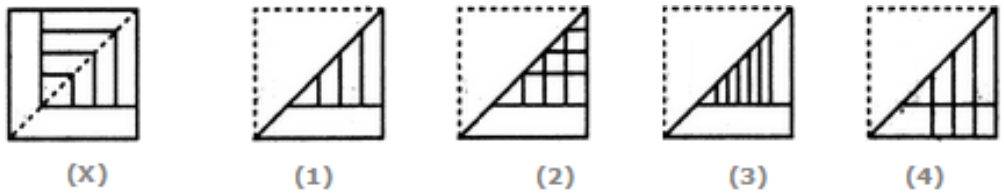
A: 1
B: 2
C: 3
D: 4

16. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



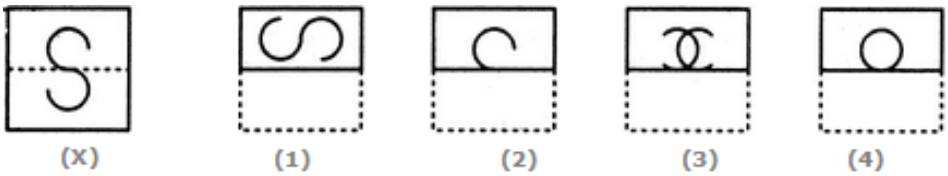
A: 1
B: 2
C: 3
D: 4

17. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



- A: 1
- B: 2
- C: 3
- D: 4

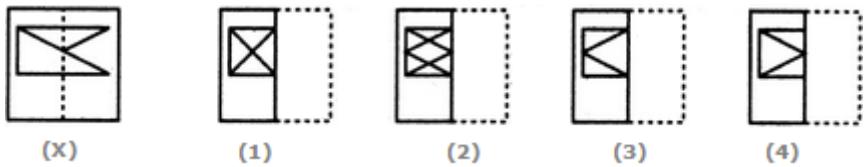
18. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



- A: 1
- B: 2
- C: 3
- D: 4

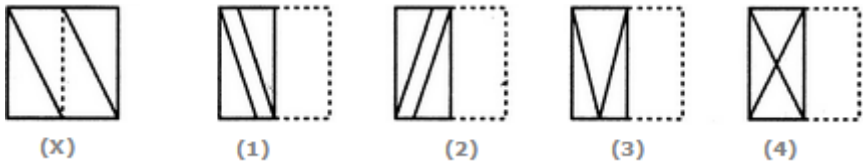
TEST 2

1. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



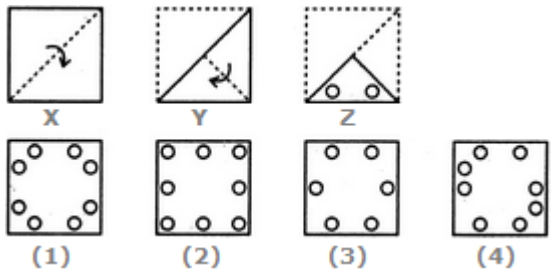
A: 1
B: 2
C: 3
D: 4

2. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



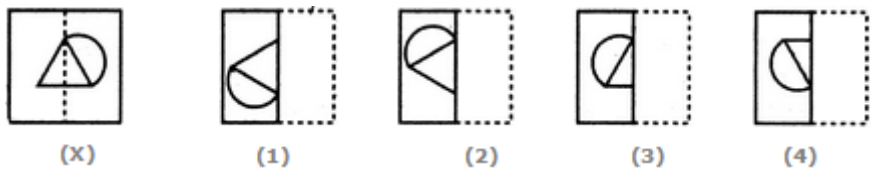
A: 1
B: 2
C: 3
D: 4

3. **Choose a figure which would most closely resemble the unfolded form of Figure (Z).**



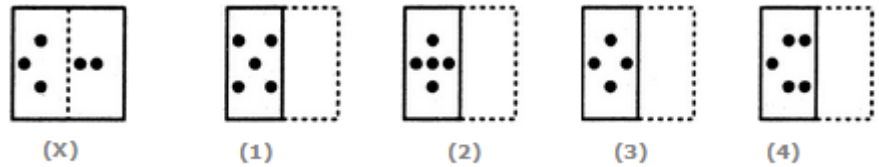
A: 1
B: 2
C: 3
D: 4

4. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



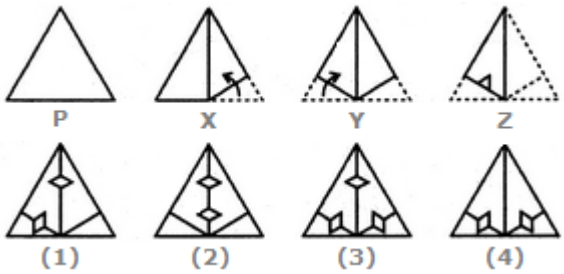
A: 1
B: 2
C: 3
D: 4

5. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



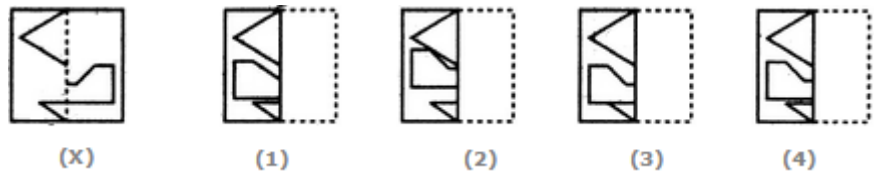
A: 1
B: 2
C: 3
D: 4

6. **Choose a figure which would most closely resemble the unfolded form of Figure (Z).**



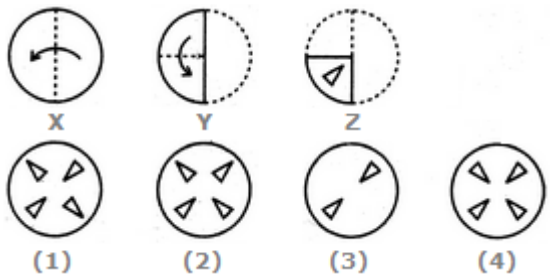
A: 1
B: 2
C: 3
D: 4

7. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



A: 1
B: 2
C: 3
D: 4

8. **Choose a figure which would most closely resemble the unfolded form of Figure (Z).**

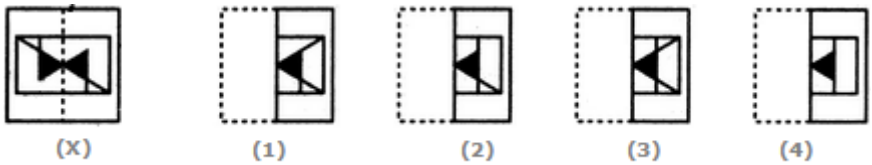


A: 1
B: 2
C: 3
D: 4

9. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

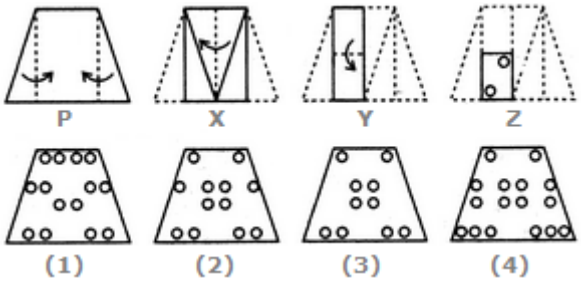
- A: 1
- B: 2
- C: 3
- D: 4

10. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



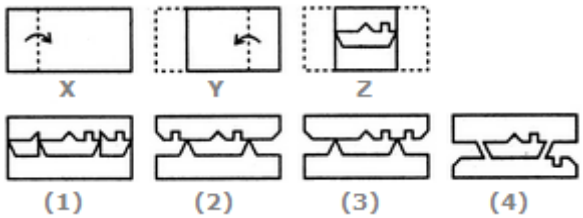
- A: 1
- B: 2
- C: 3
- D: 4

11. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



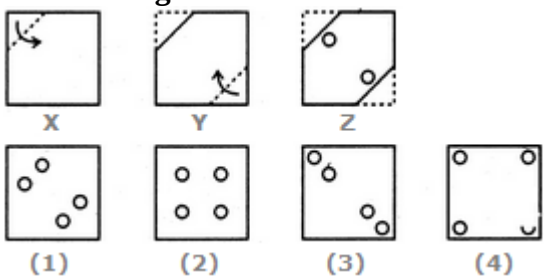
- A: 1
- B: 2
- C: 3
- D: 4

12. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



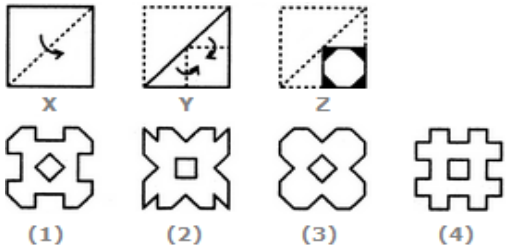
- A: 1
- B: 2
- C: 3
- D: 4

13. **Choose a figure which would most closely resemble the unfolded form of Figure (Z).**



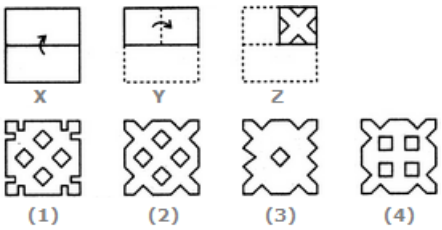
A: 1
B: 2
C: 3
D: 4

14. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



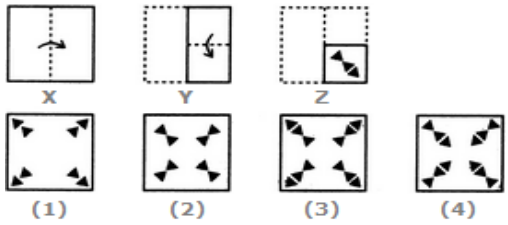
A: 1
B: 2
C: 3
D: 4

15. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



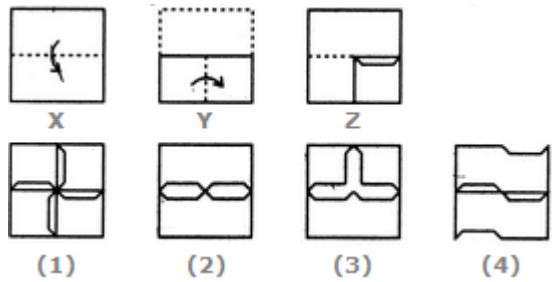
A: 1
B: 2
C: 3
D: 4

16. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



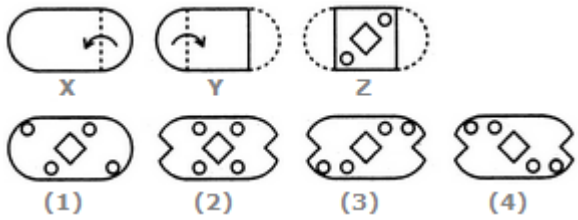
A: 1
B: 2
C: 3
D: 4

17. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



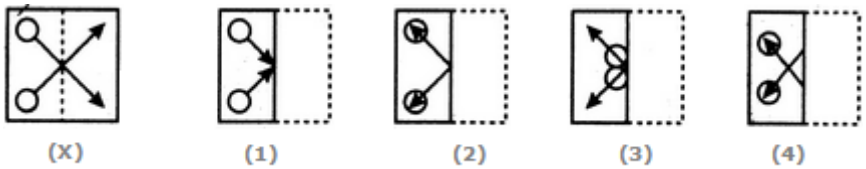
- A: 1
- B: 2
- C: 3
- D: 4

18. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



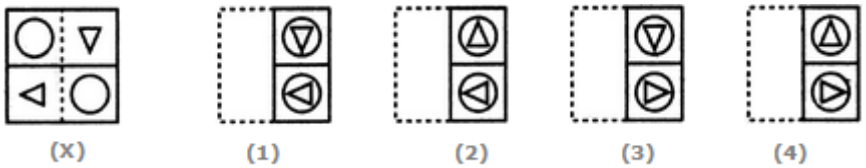
- A: 1
- B: 2
- C: 3
- D: 4

19. **Find out from amongst the four alternatives as to how the pattern would appear when the** transparent sheet is folded at the dotted line.



- A: 1
- B: 2
- C: 3
- D: 4

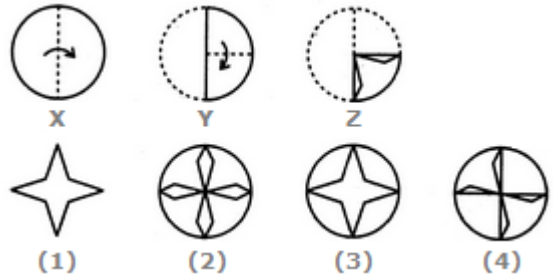
20. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



- A: 1
- B: 2
- C: 3
- D: 4

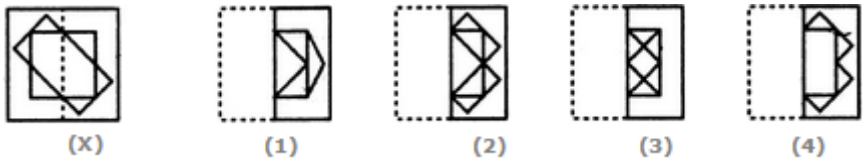
TEST 3

1. **Choose a figure which would most closely resemble the unfolded form of Figure (Z).**



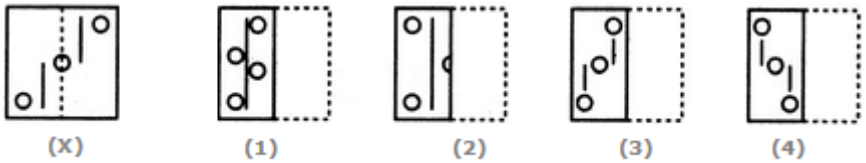
A: 1
B: 2
C: 3
D: 4

2. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



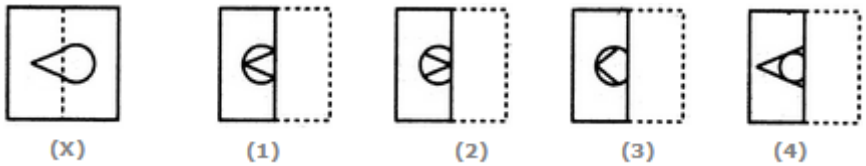
A: 1
B: 2
C: 3
D: 4

3. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



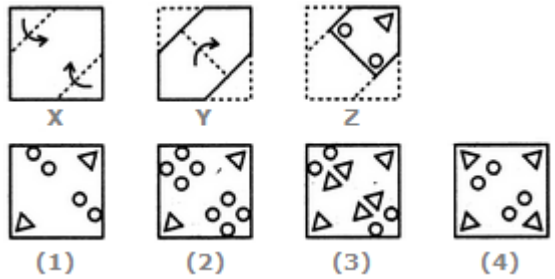
A: 1
B: 2
C: 3
D: 4

4. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



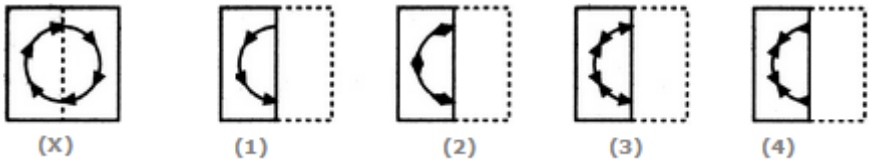
A: 1
B: 2
C: 3
D: 4

5. **Choose a figure which would most closely resemble the unfolded form of Figure (Z).**



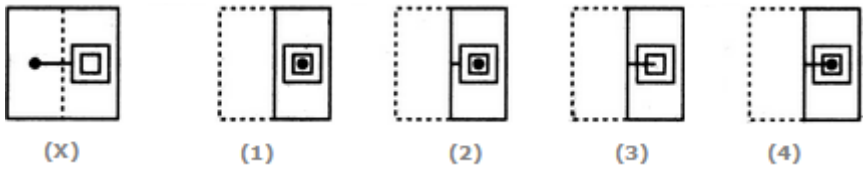
A: 1
B: 2
C: 3
D: 4

6. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



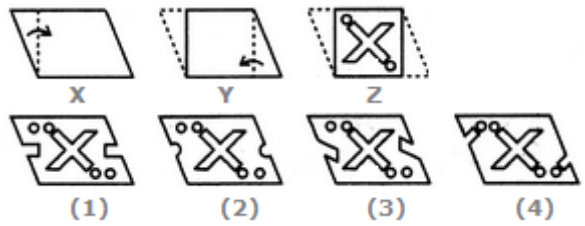
A: 1
B: 2
C: 3
D: 4

7. **Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.**



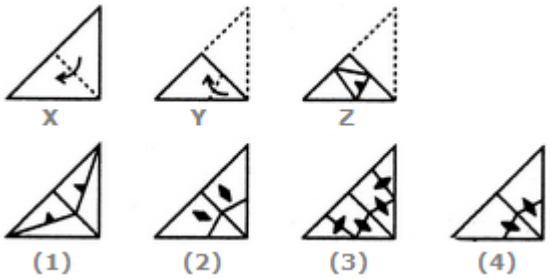
A: 1
B: 2
C: 3
D: 4

8. **Choose a figure which would most closely resemble the unfolded form of Figure (Z).**



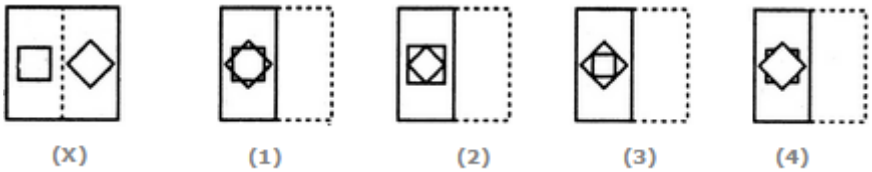
A: 1
B: 2
C: 3
D: 4

9. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



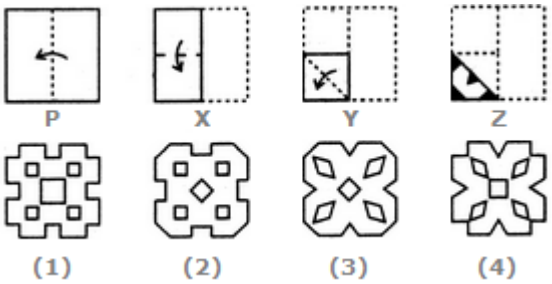
A: 1
B: 2
C: 3
D: 4

10. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



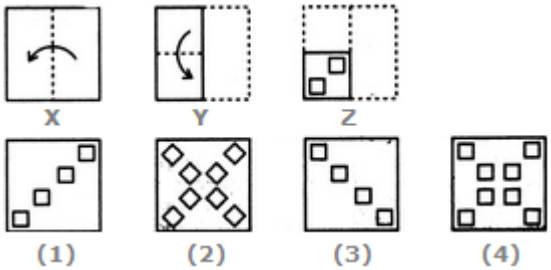
A: 1
B: 2
C: 3
D: 4

11. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



A: 1
B: 2
C: 3
D: 4

12. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

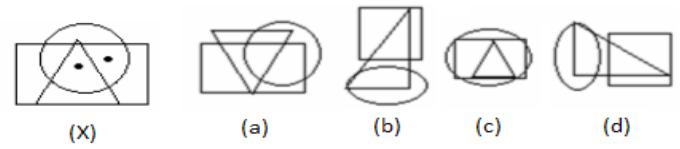


A: 1
B: 2
C: 3
D: 4

Dot Situation

TEST 1

1. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



A: a
B: b
C: c
D: d

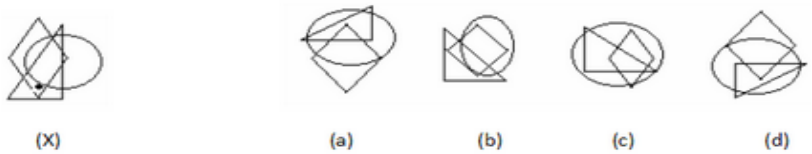
2. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**

A: 1
B: 2
C: 3
D: 4

3. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**

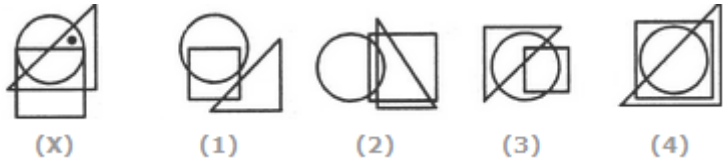
A: 1
B: 2
C: 3
D: 4

4. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



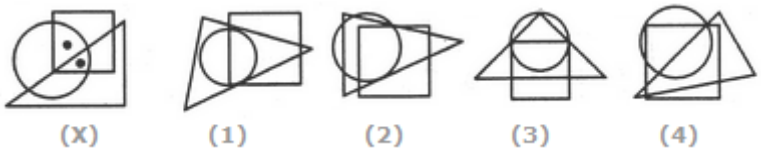
A: a
B: b
C: c
D: d

5. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



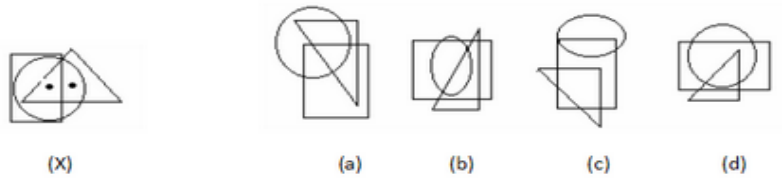
A: 1
B: 2
C: 3
D: 4

6. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



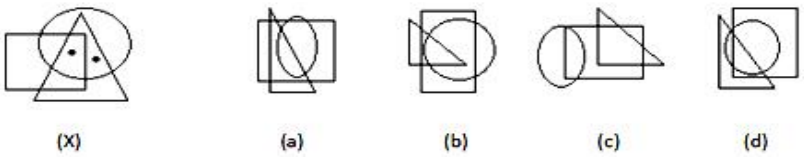
A: 1
B: 2
C: 3
D: 4

7. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



A: a
B: b
C: c
D: d

8. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**

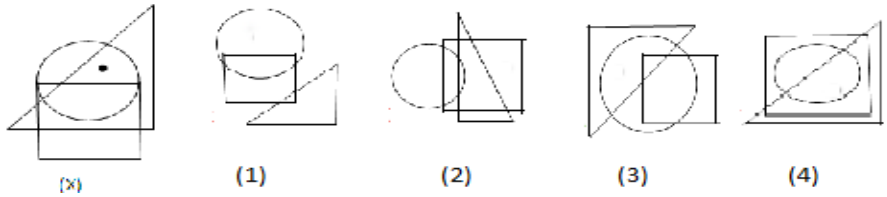


A: a
B: b
C: c
D: d

9. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.

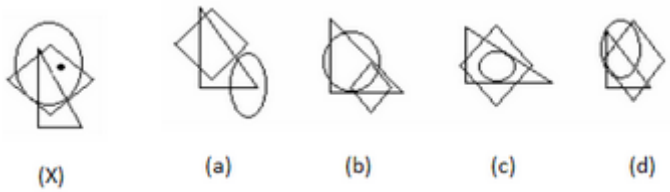
A: 1
B: 2
C: 3
D: 4

10. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



A: 1
B: 2
C: 3
D: 4

11. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.

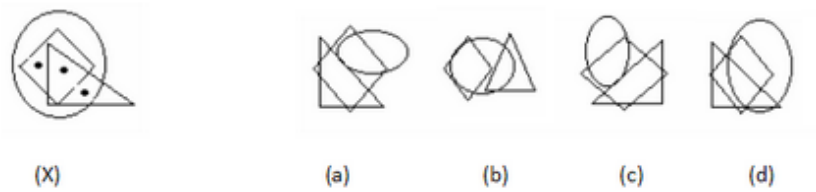


A: a
B: b
C: c
D: d

12. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**

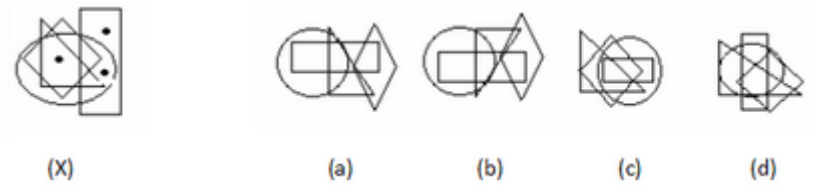
A: a
B: b
C: c
D: d

13. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



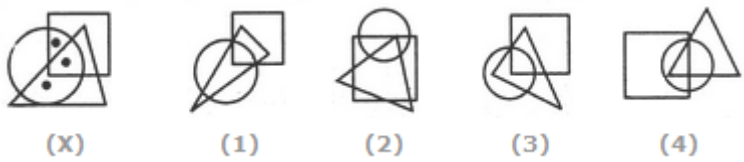
- A: a
- B: b
- C: c
- D: d

14. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



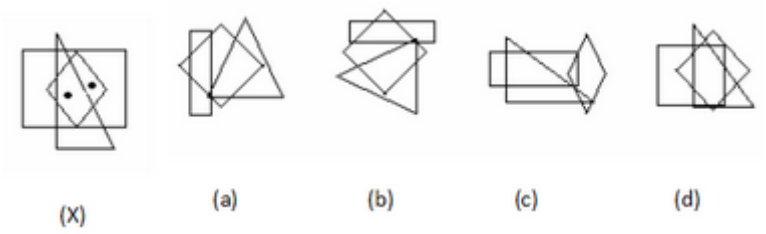
- A: a
- B: b
- C: c
- D: d

15. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



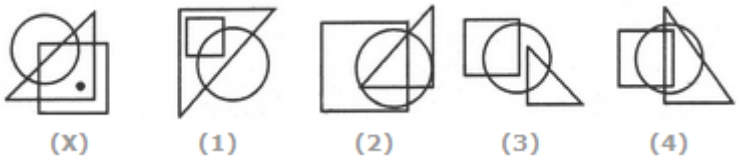
- A: 1
- B: 2
- C: 3
- D: 4

16. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



- A: a
- B: b
- C: c
- D: d

17. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.

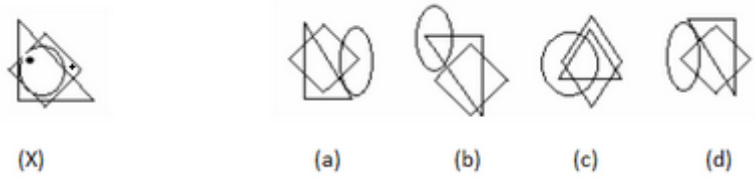


A: 1
B: 2
C: 3
D: 4

18. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.

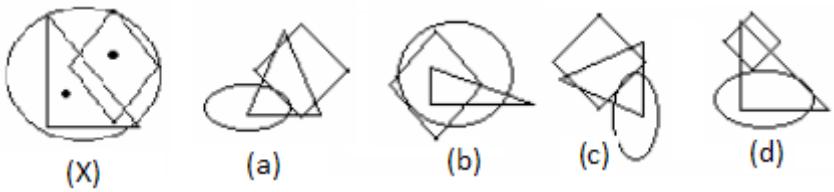
A: 1
B: 2
C: 3
D: 4

19. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



A: a
B: b
C: c
D: d

20. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



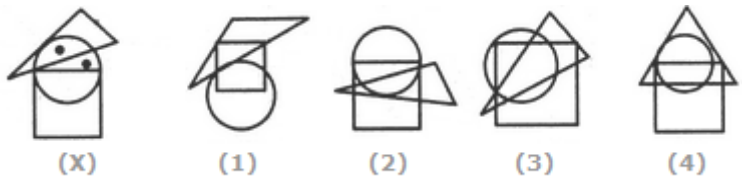
A: a
B: b
C: c
D: d

TEST 2

1. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**

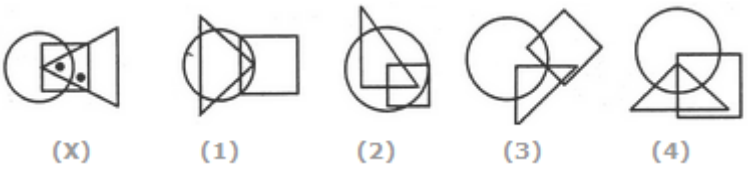
A: 1
B: 2
C: 3
D: 4

2. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



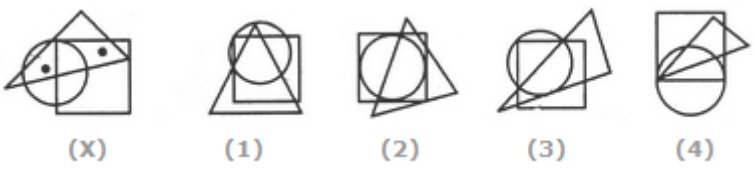
A: 1
B: 2
C: 3
D: 4

3. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



A: 1
B: 2
C: 3
D: 4

4. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**

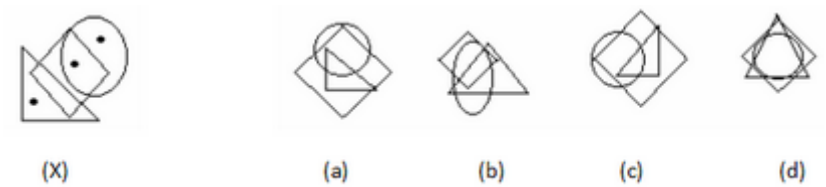


A: 1
B: 2
C: 3
D: 4

5. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**

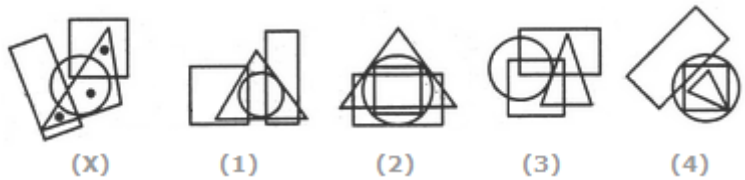
- A: 1
- B: 2
- C: 3
- D: 4

6. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



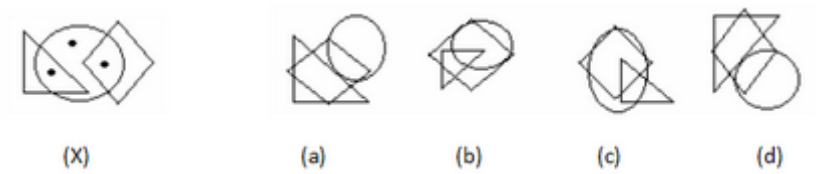
- A: a
- B: b
- C: c
- D: d

7. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



- A: 1
- B: 2
- C: 3
- D: 4

8. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



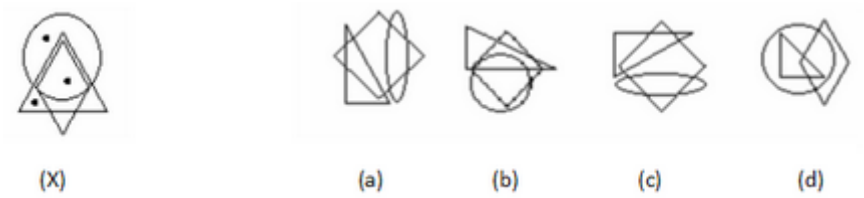
- A: a
- B: b
- C: c
- D: d

9. **Select the figure which satisfies the same conditions of placement of the dots as in Figure X**

.

- A: 1
- B: 2
- C: 3
- D: 4

10. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.

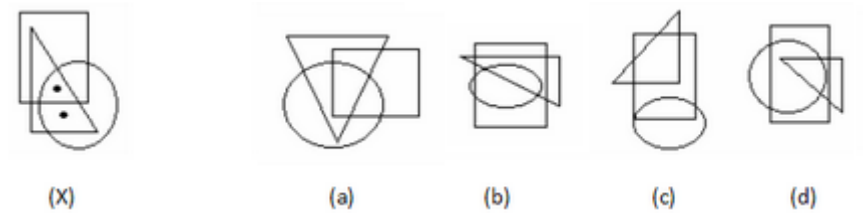


- A: a
- B: b
- C: c
- D: d

11. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.

- A: 1
- B: 2
- C: 3
- D: 4

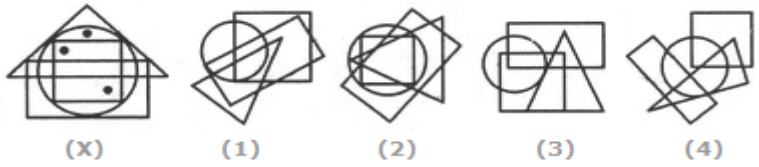
12. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



- A: a
- B: b
- C: c
- D: d

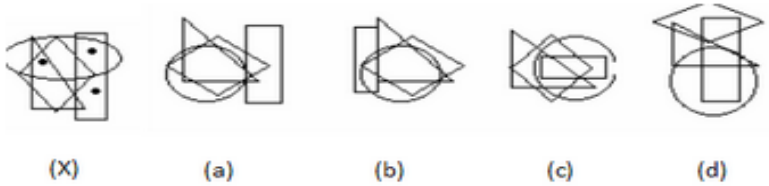
TEST 3

1. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



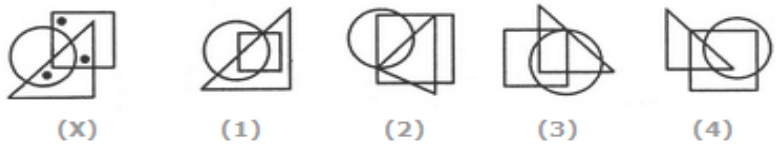
A: 1
B: 2
C: 3
D: 4

2. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



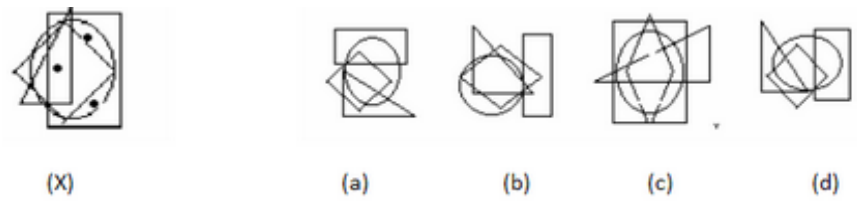
A: a
B: b
C: c
D: d

3. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



A: 1
B: 2
C: 3
D: 4

4. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**

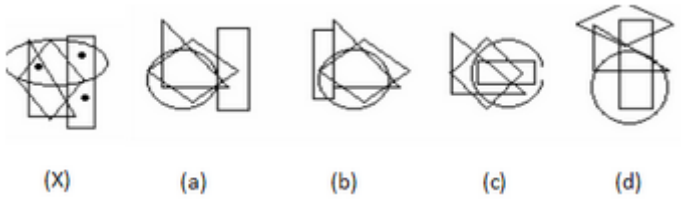


A: a
B: b
C: c
D: d

5. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**

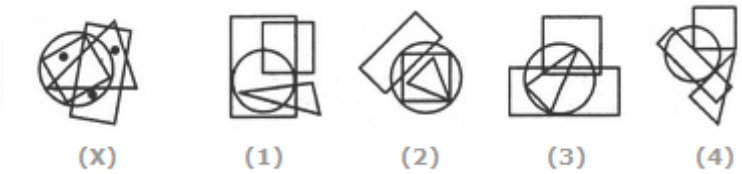
A: 1
B: 2
C: 3
D: 4

6. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



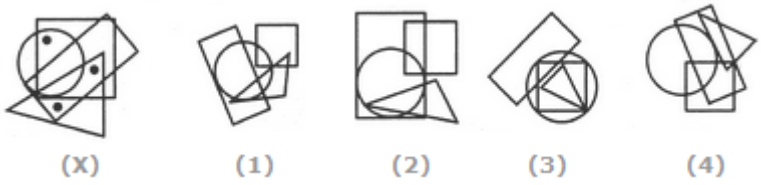
A: a
B: b
C: c
D: d

7. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



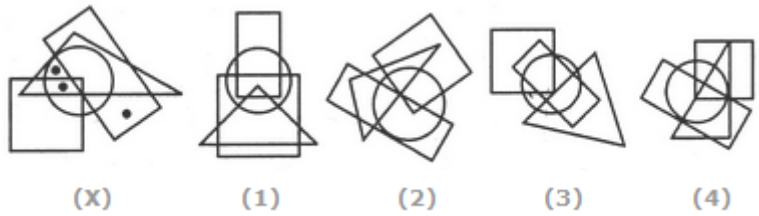
A: 1
B: 2
C: 3
D: 4

8. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



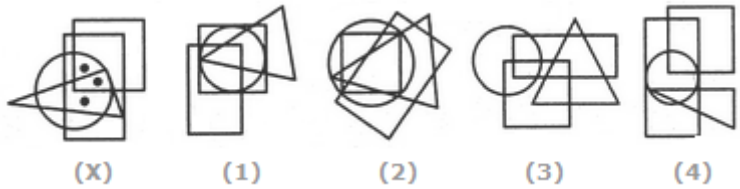
A: 1
B: 2
C: 3
D: 4

9. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



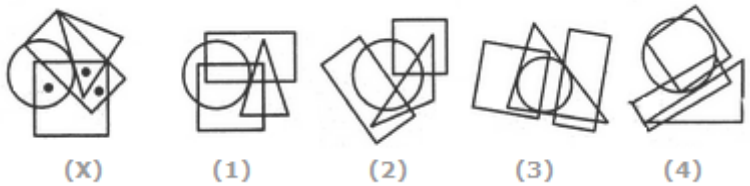
- A: 1
- B: 2
- C: 3
- D: 4

10. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



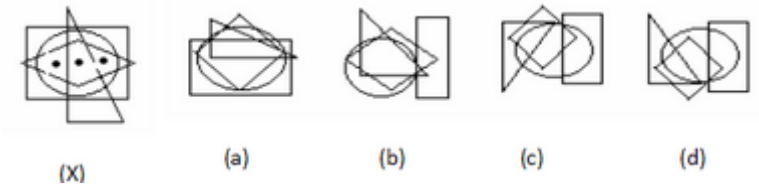
- A: 1
- B: 2
- C: 3
- D: 4

11. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



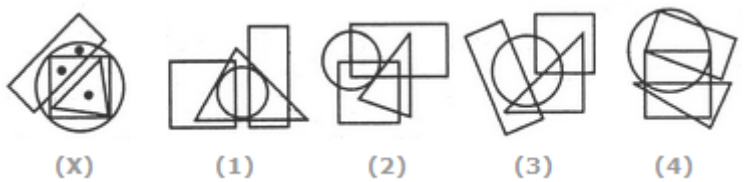
- A: 1
- B: 2
- C: 3
- D: 4

12. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



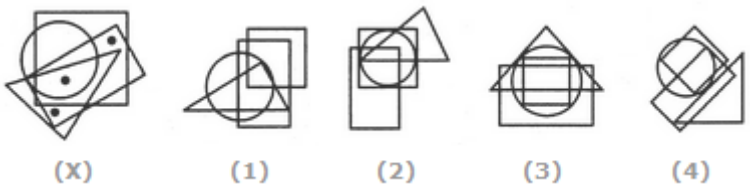
- A: a
- B: b
- C: c
- D: d

13. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



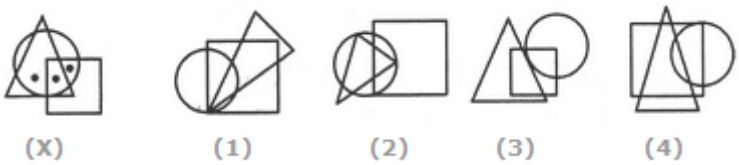
- A: 1
- B: 2
- C: 3
- D: 4

14. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



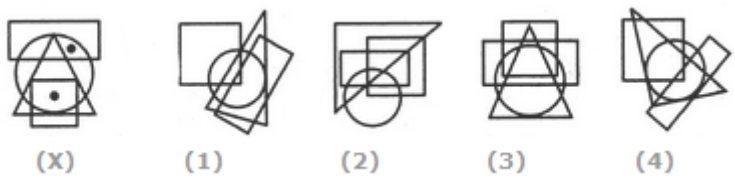
- A: 1
- B: 2
- C: 3
- D: 4

15. **Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.**



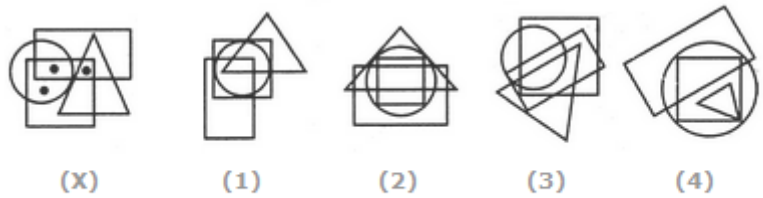
- A: 1
- B: 2
- C: 3
- D: 4

16. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



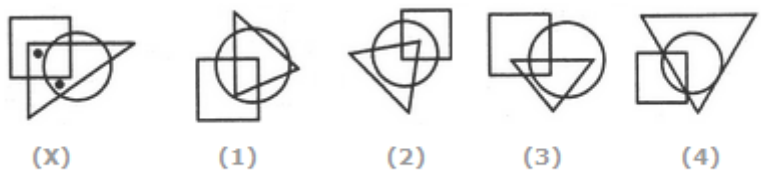
- A: 1
- B: 2
- C: 3
- D: 4

17. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



- A: 1
- B: 2
- C: 3
- D: 4

18. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



- A: 1
- B: 2
- C: 3
- D: 4

Shape Construction

TEST 1

1. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.**

A: 123
B: 134
C: 235
D: 345

2. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.**

A: 123
B: 134
C: 135
D: 345

3. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

A: 1
B: 2
C: 3
D: 4

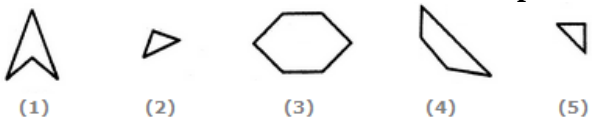
4. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.**

A: 123
B: 124
C: 125
D: 235

5. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

A: 1
B: 2
C: 3
D: 4

6. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.**



A: 124
B: 234
C: 345
D: 235

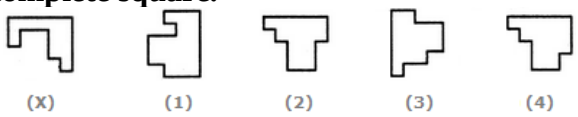
7. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.**

A: 123
B: 345
C: 245
D: 234

8. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.**

A: 145
B: 234
C: 134
D: 235

9. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**



A: 1
B: 2
C: 3
D: 4

10. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.**

A: 124
B: 125
C: 234
D: 245

11. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a equilateral triangle.**

A: 124
B: 135
C: 134
D: 345

TEST 2

1. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

A: 1
B: 2
C: 3
D: 4

2. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a equilateral triangle.**

A: 123
B: 135
C: 245
D: 345

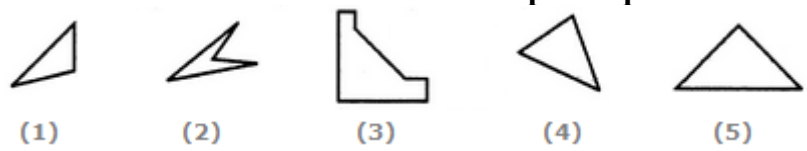
3. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.**

A: 124
B: 235
C: 134
D: 245

4. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.**

A: 123
B: 125
C: 234
D: 245

5. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.**



A: 134
B: 145
C: 125
D: 124

6. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

A: 1
B: 2
C: 3
D: 4

7. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a equilateral triangle.**

A: 124
B: 234
C: 245
D: 345

8. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a equilateral triangle.**

A: 125
B: 235
C: 145
D: 245

9. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

A: 1
B: 2
C: 3
D: 4

10. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

A: 1
B: 2
C: 3
D: 4

11. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.

(1) (2) (3) (4) (5)

A: 123
B: 124
C: 134
D: 345

12. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.

(1) (2) (3) (4) (5)

A: 123
B: 234
C: 134
D: 345

13. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a equilateral triangle.

(1) (2) (3) (4) (5)

A: 234
B: 123
C: 345
D: 235

14. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.

(1) (2) (3) (4) (5)

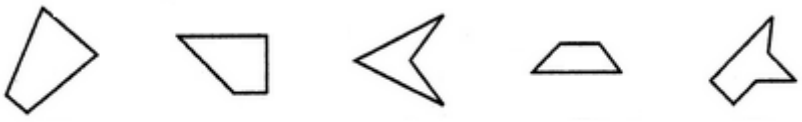
A: 123
B: 134
C: 135
D: 145

15. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.

(1) (2) (3) (4) (5)

A: 145
B: 135
C: 235
D: 234

16. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.



(1) (2) (3) (4) (5)

A: 123
B: 235
C: 245
D: 145

17. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.

(1) (2) (3) (4) (5)

A: 123
B: 234
C: 124
D: 245

18. Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.

(X) (1) (2) (3) (4)

A: 1
B: 2
C: 3
D: 4

19. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a equilateral triangle.

(1) (2) (3) (4) (5)

A: 135
B: 124
C: 345
D: 245

20. Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.

(X) (1) (2) (3) (4)

A: 1
B: 2
C: 3
D: 4

TEST 3

1. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

A: 1
B: 2
C: 3
D: 4

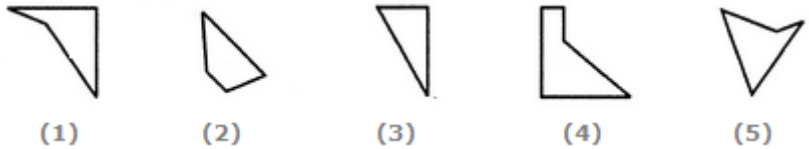
2. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

A: 1
B: 2
C: 3
D: 4

3. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

A: 1
B: 2
C: 3
D: 4

4. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.**



A: 125
B: 123
C: 235
D: 234

5. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

A: 1
B: 2
C: 3
D: 4

6. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

(X) (1) (2) (3) (4)

A: 1
B: 2
C: 3
D: 4

7. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a equilateral triangle.**

(1) (2) (3) (4) (5)

A: 234
B: 134
C: 345
D: 245

8. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

(X) (1) (2) (3) (4)

A: 1
B: 2
C: 3
D: 4

9. **Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a equilateral triangle.**

(1) (2) (3) (4) (5)

A: 123
B: 135
C: 234
D: 245

10. **Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.**

(X) (1) (2) (3) (4)

A: 1
B: 2
C: 3
D: 4

11. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a equilateral triangle.

(1) (2) (3) (4) (5)

A: 135
B: 124
C: 245
D: 345

12. Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.

(X) (1) (2) (3) (4)

A: 1
B: 2
C: 3
D: 4

13. Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.

(X) (1) (2) (3) (4)

A: 1
B: 2
C: 3
D: 4

14. Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.

(X) (1) (2) (3) (4)

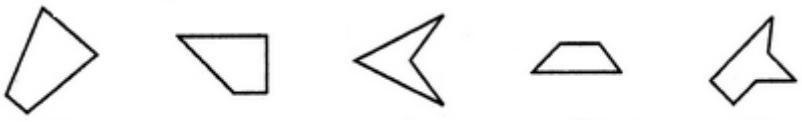
A: 1
B: 2
C: 3
D: 4

15. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a equilateral triangle.

(1) (2) (3) (4) (5)

A: 123
B: 234
C: 345
D: 245

16. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.



(1) (2) (3) (4) (5)

A: 123
B: 235
C: 245
D: 145

17. Select a figure from the given four alternatives which fits exactly into Figure-X to form a complete square.

(X) (1) (2) (3) (4)

A: 1
B: 2
C: 3
D: 4

18. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.

(1) (2) (3) (4) (5)

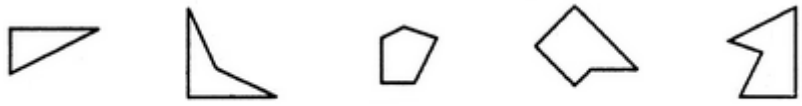
A: 124
B: 234
C: 345
D: 235

19. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.

(1) (2) (3) (4) (5)

A: 134
B: 124
C: 234
D: 345

20. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.



(1) (2) (3) (4) (5)

A: 145
B: 234
C: 245
D: 135

Series

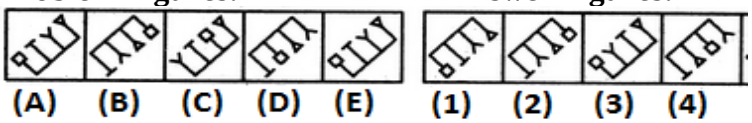
TEST 1

1. **Leaves are to tree as bees are to?**

A: House
B: Hive
C: Fly
D: Brick

2. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

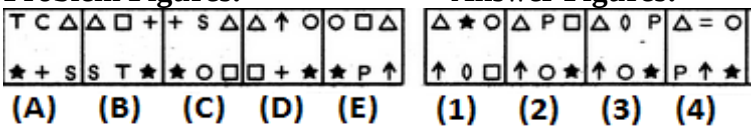
Problem Figures: **Answer Figures:**



A: 1
B: 2
C: 3
D: 4

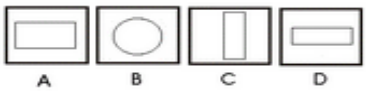
3. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**



A: 1
B: 2
C: 3
D: 4

4. **Select a figure from the below which is least like the others:**



A: A
B: B
C: C
D: D

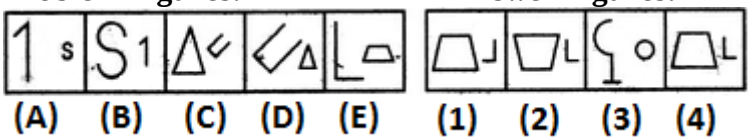
5. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**

A: 1
B: 2
C: 3
D: 4

6. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

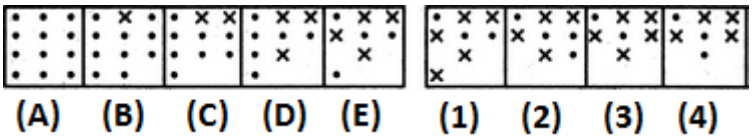
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

7. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

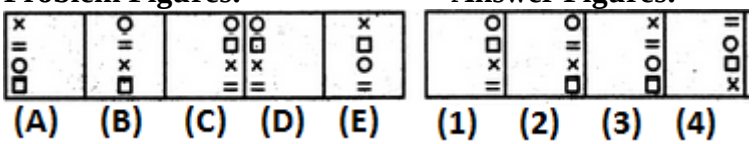
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

8. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**



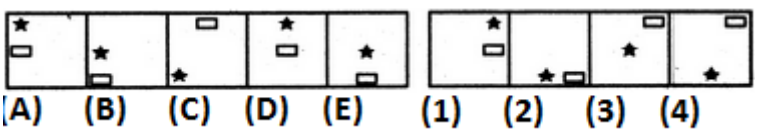
- A: 1
- B: 2
- C: 3
- D: 4

9. **AB, C, DE, F, GH, I ....?**

- A: J
- B: K
- C: MN
- D: JK

10. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

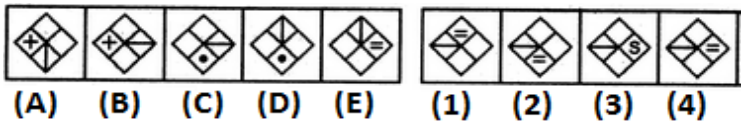
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

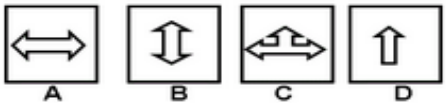
11. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

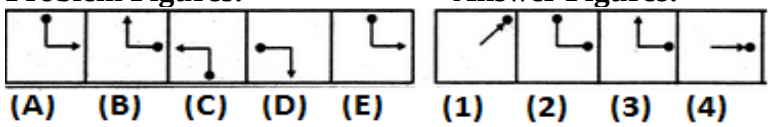
12. Which of the following figure is odd one out?



- A: A
- B: B
- C: C
- D: D

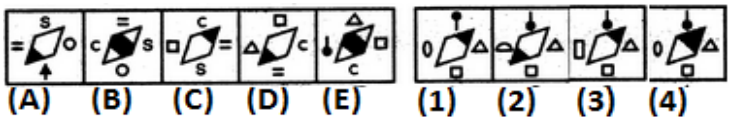
13. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

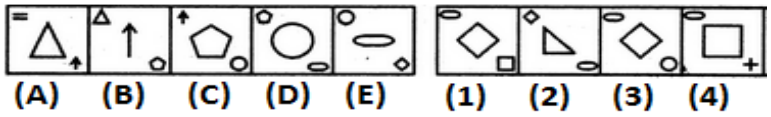
14. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.



- A: 1
- B: 2
- C: 3
- D: 4

15. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**



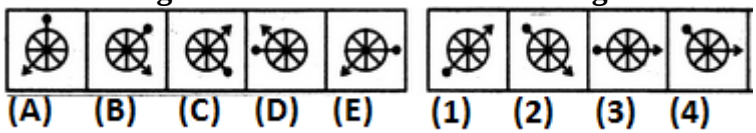
- A: 1
- B: 2

C: 3

D: 4

16. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**



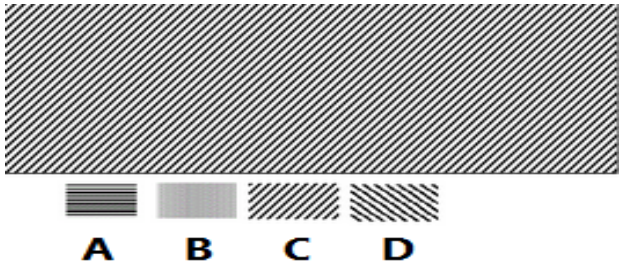
A: 1

B: 2

C: 3

D: 4

17. Which pattern best represents a cut from the picture:



A: A

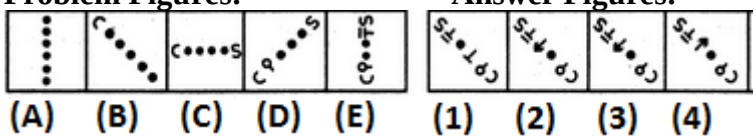
B: B

C: C

D: D

18. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**



A: 1

B: 2

C: 3

D: 4

19. Good' is related to 'Bad' as 'Roof' is related to _____.

A: Floor

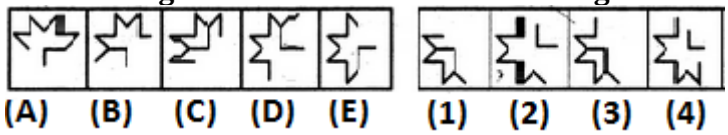
B: Window

C: Wall

D: Door

20. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**



A: 1

B: 2

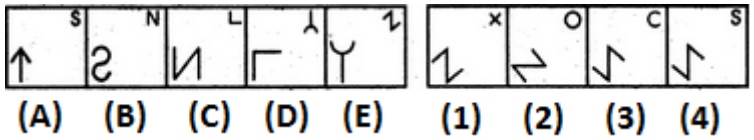
C: 3

D: 4

TEST 2

1. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**



A: 1

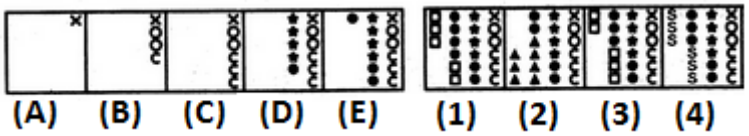
B: 2

C: 3

D: 4

2. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**



A: 1

B: 2

C: 3

D: 4

3. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**

A: 1

B: 2

C: 3

D: 4

4. **If + means –, – means x, x means ÷ and ÷ means +, find the value of 48 x 4 ÷ 7 + 8 – 2.**

A: -5

B: 3

C: 11

D: 16

5. **What is the next number in the sequence:**

1, 8, 15 ... ?

A: 17

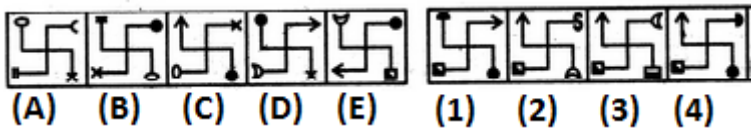
B: 19

C: 21

D: 22

6. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**



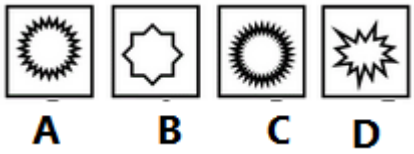
A: 1

B: 2

C: 3

D: 4

7. **Select the odd figure from below,**



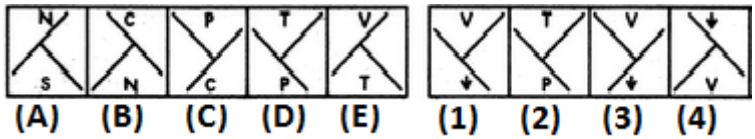
A: A

B: B

C: C

D: D

8. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**



A: 1

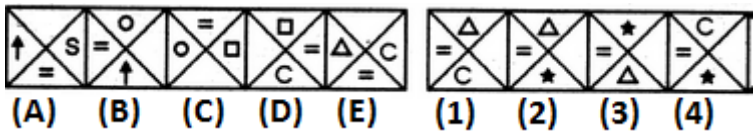
B: 2

C: 3

D: 4

9. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**



A: 1

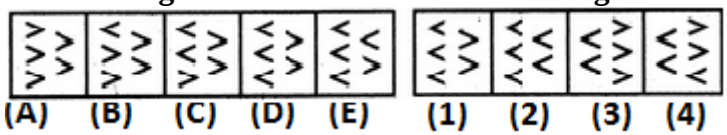
B: 2

C: 3

D: 4

10. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

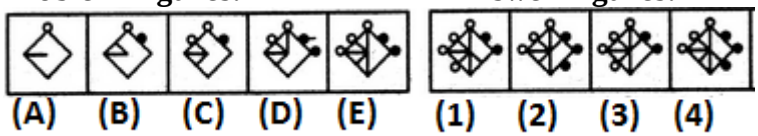
11. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**

- A: 1
- B: 2
- C: 3
- D: 4

12. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

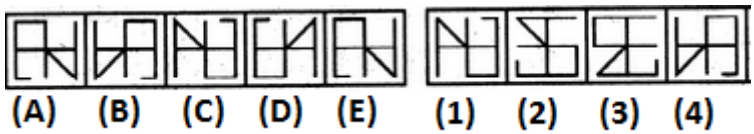
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

13. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

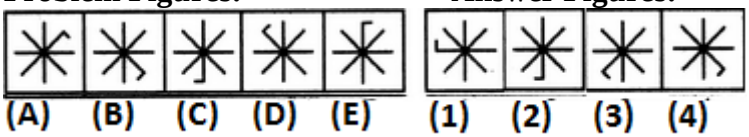
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

14. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

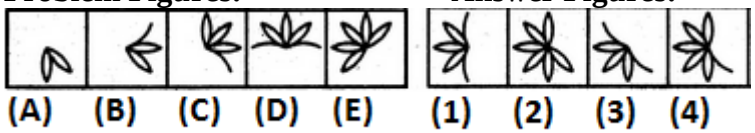
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

15. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

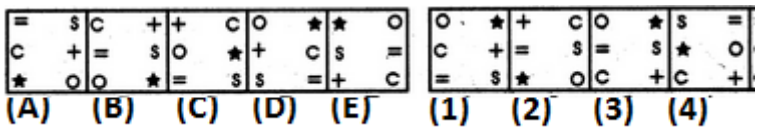
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

16. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

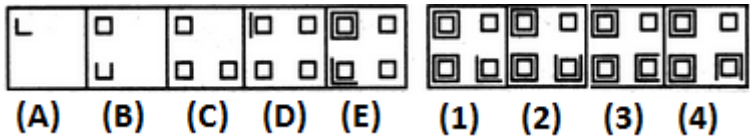
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

17. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

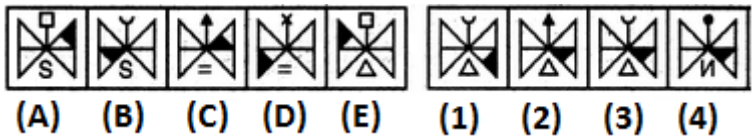
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

18. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

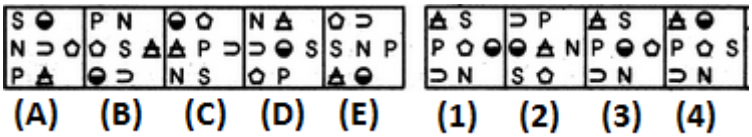
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

19. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

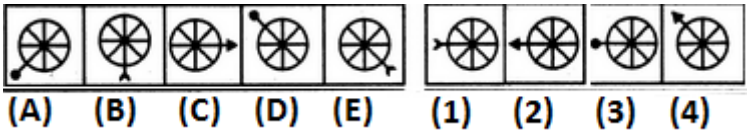
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

20. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**

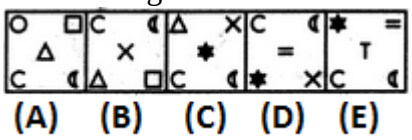


- A: 1
- B: 2
- C: 3
- D: 4

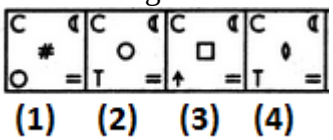
TEST 3

1. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures:



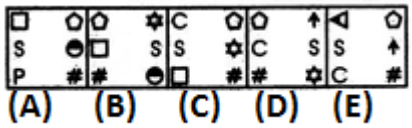
Answer Figures:



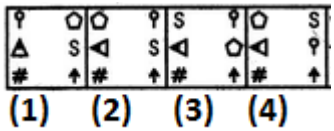
- A: 1
- B: 2
- C: 3
- D: 4

2. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures:



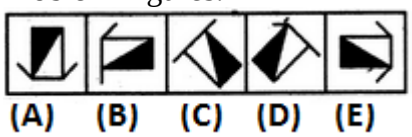
Answer Figures:



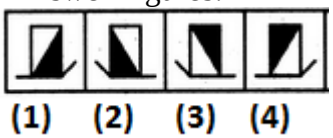
- A: 1
- B: 2
- C: 3
- D: 4

3. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures:



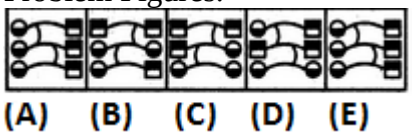
Answer Figures:



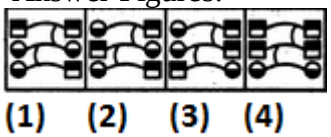
- A: 1
- B: 2
- C: 3
- D: 4

4. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures:



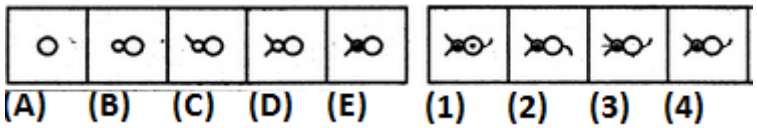
Answer Figures:



- A: 1
- B: 2
- C: 3
- D: 4

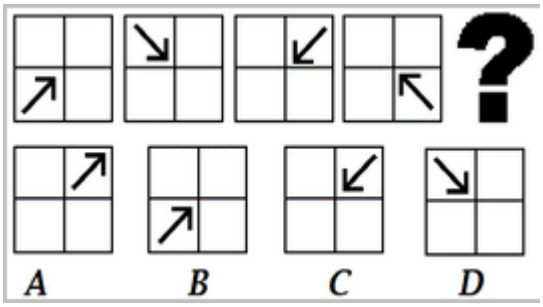
5. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: Answer Figures:



A: 1
B: 2
C: 3
D: 4

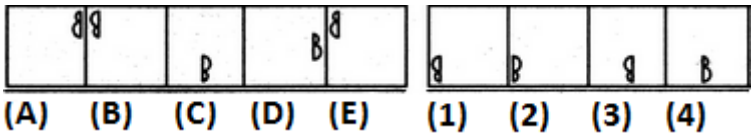
6. **Choose the correct shape for the sequence?**



A: A
B: B
C: C
D: D

7. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

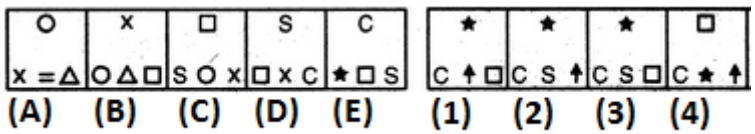
Problem Figures: Answer Figures:



A: 1
B: 2
C: 3
D: 4

8. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: Answer Figures:



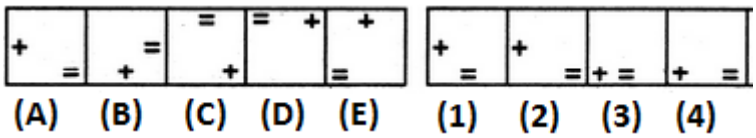
A: 1
B: 2
C: 3
D: 4

9. 1, 2, 4, 7, 11, 16 ....?

A: 21
B: 22
C: 23
D: 25

10. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

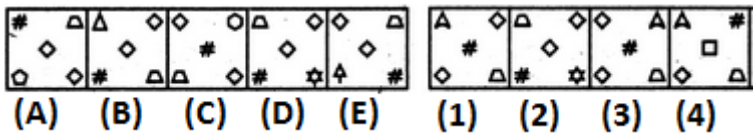
Problem Figures: Answer Figures:



A: 1
B: 2
C: 3
D: 4

11. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: Answer Figures:



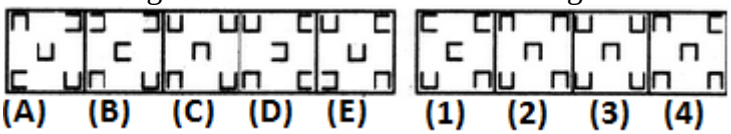
A: 1
B: 2
C: 3
D: 4

12. 2, 3, 5, 9, 17 ... ?

A: 32
B: 33
C: 34
D: 35

13. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

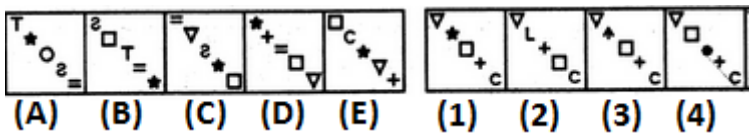
Problem Figures: Answer Figures:



A: 1
B: 2
C: 3
D: 4

14. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

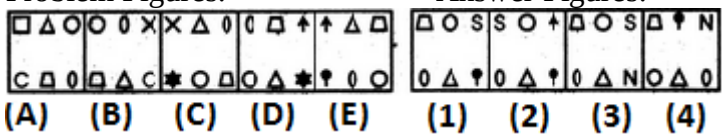
Problem Figures: Answer Figures:



- A: 1
- B: 2
- C: 3
- D: 4

15. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

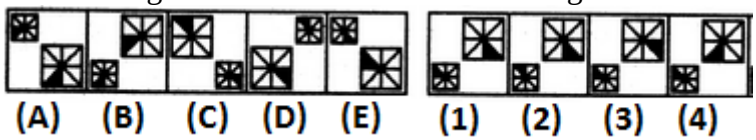
Problem Figures: Answer Figures:



- A: 1
- B: 2
- C: 3\
- D: 4

16. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

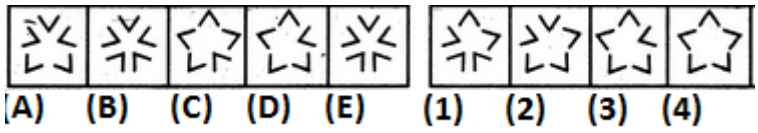
Problem Figures: Answer Figures:



- A: 1
- B: 2
- C: 3
- D: 4

17. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: Answer Figures:



- A: 1
- B: 2
- C: 3
- D: 4

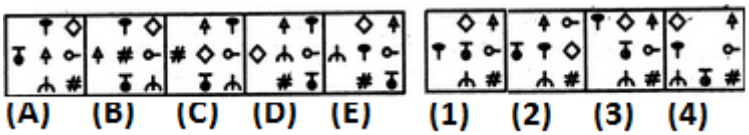
18. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: Answer Figures:

- A: 1
- B: 2
- C: 3
- D: 4

19. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

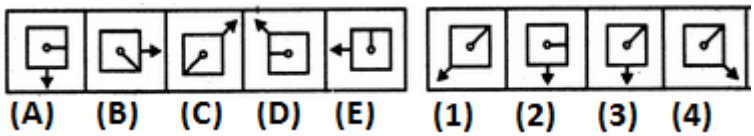
Problem Figures: Answer Figures:



- A: 1
- B: 2
- C: 3
- D: 4

20. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: Answer Figures:

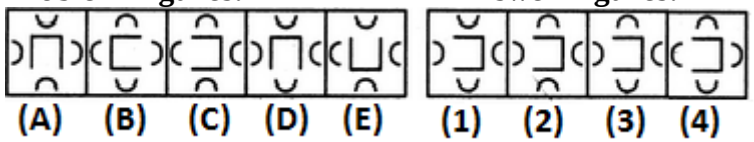


- A: 1
- B: 2
- C: 3
- D: 4

TEST 4

1. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**

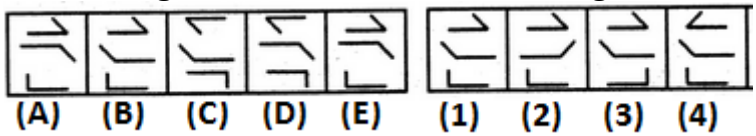


A: 1 B: 2

C: 3 D: 4

2. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**

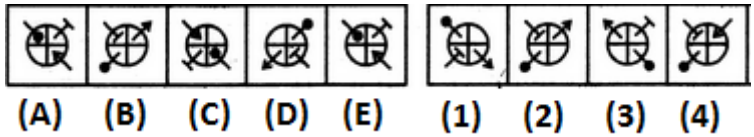


A: 1 B: 2

C: 3 D: 4

3. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**

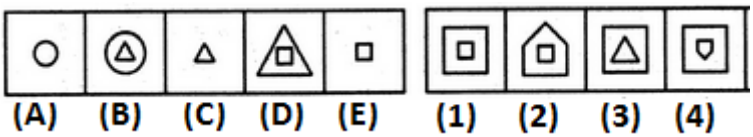


A: 1 B: 2

C: 3 D: 4

4. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**



A: 1 B: 2

C: 3 D: 4

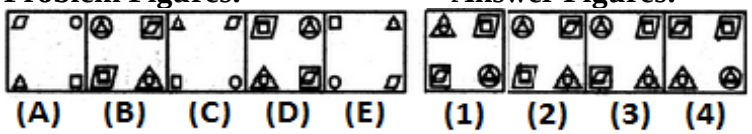
5. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**

- A: 1
- B: 2
- C: 3
- D: 4

6. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

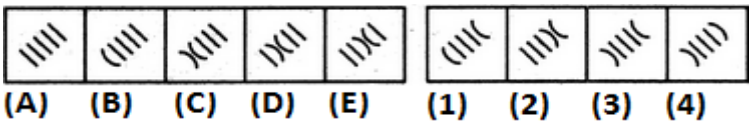
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

7. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**



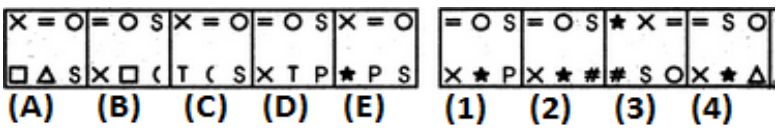
- A: 1
- B: 2
- C: 3
- D: 4

8. **'Lawyer' is related to 'Court' in the same way 'Sailor' is related to?**

- A: Sea
- B: Ship
- C: Car
- D: Law

9. **Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.**

Problem Figures: **Answer Figures:**



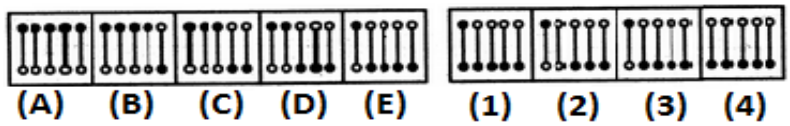
- A: 1
- B: 2
- C: 3
- D: 4

10. **A, Z, B, Y, C .. ?**

- A: D
- B: E
- C: X
- D: W

11. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

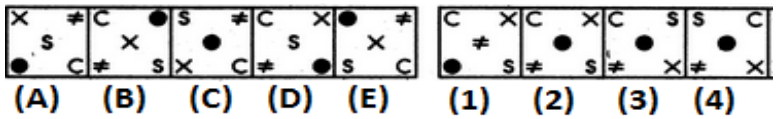
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

12. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

13. 1, 6, 2, 5, 3, 4, 4 ....?

- A: 4
- B: 2
- C: 7
- D: 3

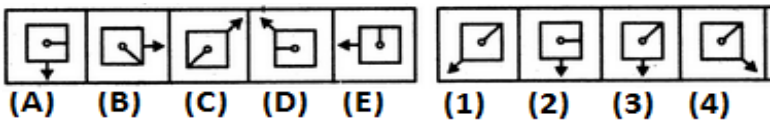
14. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**

- A: 1
- B: 2
- C: 3
- D: 4

15. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

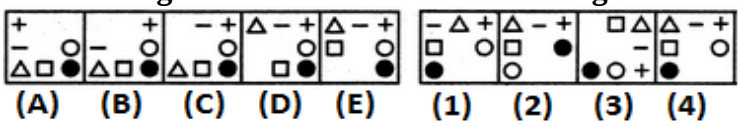
Problem Figures: **Answer Figures:**



- A: 1
- B: 2
- C: 3
- D: 4

16. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures**



A: 1 B: 2

C: 3 D: 4

17. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

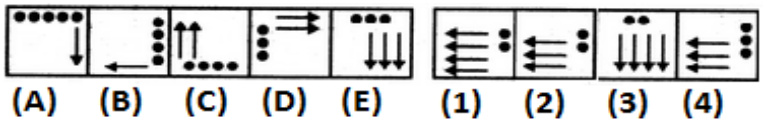
Problem Figures: **Answer Figures:**

A: 1 B: 2

C: 3 D: 4

18. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**

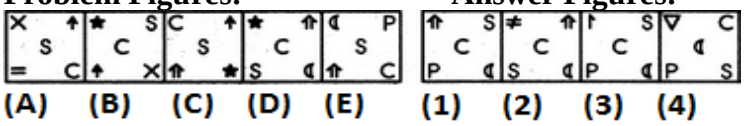


A: 1 B: 2

C: 3 D: 4

19. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures:**

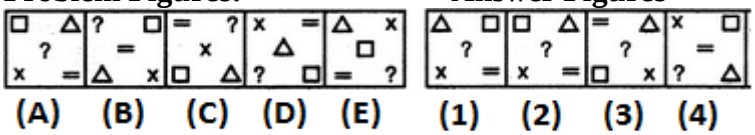


A: 1 B: 2

C: 3 D: 4

20. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures: **Answer Figures**



A: 1 B: 2

C: 3 D: 4

PART 2

Intellegence Verbal

Series Completion

TEST 1

1. ADVENTURE, DVENTURE, DVENTUR, ?, VENTU

- A: VENTUR
- B: DVENT
- C: DVENTU
- D: DVATNE

2. Which of the following will not be a number of the series 1, 8, 27, 64, 125,.....?

- A: 256
- B: 512
- C: 729
- D: 1000

3. 125,80,45,20,?

- A: 5
- B: 8
- C: 10
- D: 12

4. 120, 99, 80, 63, 48, ?

- A: 35
- B: 26
- C: 39
- D: 40

5. 6, 11, 21, 36, 56, ?

- A: 42
- B: 81
- C: 55
- D: 96

6. 11, 10, ?, 100, 1001, 1000, 10001

- A: 101
- B: 110
- C: 1001
- D: None of these

7. 48, 24, 96, 48, 192, ?

- A: 76
- B: 90
- C: 96
- D: 55

8. In the series 2, 6, 18, 54, ... what will be the 8th term ?

- A: 4376
- B: 4374
- C: 7442
- D: 5488

9. Which of the following will not be a number of the series 1, 8, 27, 64, 125,.....?

- A: 256
- B: 335
- C: 225
- D: 356

10. 4832, 5840, 6848, ?

- A: 7815
- B: 7915
- C: 7856
- D: 7859

11. 2, 5, 9, ?, 20, 27

- A: 14
- B: 16
- C: 18
- D: 24

12. Choose the missing terms out of the given alternatives.

AYD, BVF, DRH, ?, KGL

- A: FMG
- B: GMJ
- C: GLJ
- D: GML

13. Find out the wrong term.

5, 10, 40, 80, 320, 550, 2560

- A: 80
- B: 320
- C: 550
- D: 2560

14. 1, 9, 25, 49, ?, 121

- A: 64
- B: 81
- C: 92
- D: 100

15. In the series 3, 9, 15, ... what will be the 21st term?

- A: 117
- B: 121
- C: 123
- D: 129

16. Choose the correct alternative.

_ op _ mo _ n _ _ pnmop _.

- A: mnpmon
- B: mpmponm
- C: mpompm
- D: opmomm

17. Choose the correct alternative to fill in the gaps,

_ tu _ rt _ s _ _ usrtu _

- A: rsurts
- B: rrsstt
- C: rstsrs
- D: rstts

18. Choose the missing terms out of the given alternatives.

AZ, CX, FU, ?

- A: IR
- B: JQ
- C: JR
- D: JT

19. Choose the correct answer to fill in the gaps,

gfe _ ig _ eii _ fei _ gf_ ii

- A: eifgi
- B: ifgie
- C: ifgia
- D: igfie

20. 1, 4, 10, 22, 46, ?

- A: 66
- B: 74
- C: 94
- D: 93

TEST 2

1. **589654237, 89654237, 8965423, 965423, ?**

   A: 96542
   B: 66998
   C: 65889
   D: 68854

2. **Choose the missing terms out of the given alternatives.**

   AB, DEF, HIJK, ?, STUVWX

   A: LMNO
   B: LMNOP
   C: MNOPQ
   D: QRSTV

3. **20, 20, 19, 16, 17, 13, 14, 11, ?, ?**

   A: 10,10
   B: 11,10
   C: 13,12
   D: 11,12

4. **0.5, 0.55, 0.65,0.8,?**

   A: 0.9
   B: 1
   C: 0.82
   D: 0.94

5. **Choose the correct answer to fill in the gaps,**

   _ a _ b _ abaa _ bab _ abb

   A: aaabb
   B: ababa
   C: babba
   D: babab

6. **Find out the wrong term.**

   121, 143, 165, 186, 209

   A: 209
   B: 165
   C: 186
   D: 143

7. **AYBZC, DWEXF, GUHVI, JSKTL, ?**

   A: MQORN
   B: MQNRO
   C: NQMRO
   D: QMNOR

8. **13, 35, 57, 79, 911, ?**

   A: 1112
   B: 1155
   C: 1113
   D: 1157

9. 13, 32, 24, 43, 35, ?, 46, 65, 57, 76

- A: 45
- B: 52
- C: 54
- D: 56

10. In the series 10, 17, 24, 31, 38,.....which of the following will be a number of the series ?

- A: 48
- B: 346
- C: 574
- D: 1003

11. Choose the missing terms out of the given alternatives.

A, CD, GHI, ?, UVWXY

- A: LMNO
- B: NOPQ
- C: OPQR
- D: MNOP

12. Choose the correct answer to fill in the gaps,

ab _ d _ aaba _ na _ badna _ b

- A: andaa
- B: babda
- C: badna
- D: dbanb

13. Choose the missing terms out of the given alternatives.

PERPENDICULAR, ERPENDICULA, RPENDICUL, ?

- A: ENDIC
- B: PENDIC
- C: ENDICE
- D: None of these

14. Choose the correct answer to fill in the gaps,

abca _ bcaab _ ca _ bbc _ a

- A: ccaa
- B: aabb
- C: caba
- D: abac

TEST 3

1. **9, 27, 31, 155, 161, 1127, ?**

   A: 316
   B: 1135
   C: 1655
   D: 1255

2. **PMT, OOS, NQR, MSQ, ?**

   A: LUP
   B: LVC
   C: LVR
   D: LPR

3. **563, 647, 479, 815, ?**

   A: 225
   B: 144
   C: 266
   D: 143

4. **2, 3, 3, 5, 10, 13, ?, 43, 172, 177**

   A: 23
   B: 38
   C: 39
   D: 45

5. **2, 1, 2, 4, 4, 5, 6, 7, 8, 8, 10, 11, ?**

   A: 9
   B: 10
   C: 55
   D: 13

6. **8, 28, 116, 584, ?**

   A: 1752
   B: 3502
   C: 3504
   D: 3508

7. **0, 2, 3, 5, 8, 10, 15, 17, 24, 26, ?**

   A: 28
   B: 30
   C: 35
   D: 34

8. **Choose the missing terms out of the given alternatives.**
   b e d f ? h j ?

   A: i,m
   B: m,i
   C: i,n
   D: j,m

9. **10, 18, 28, 40, 54, 70, ?**

   A: 85
   B: 86
   C: 87
   D: 88

10. Choose the missing terms out of the given alternatives.
ajs, gpy, ?, sbk, yhq

- A: dmv
- B: mve
- C: oua
- D: qwe

11. Choose the missing terms out of the given alternatives.
WFB, TGD, QHG, ?

- A: NIJ
- B: NIK
- C: MHL
- D: MGI

12. Choose the missing terms out of the given alternatives.
ATTRIBUTION, TTRIBUTIO, RIBUTIO, IBUTI, ?

- A: IBU
- B: UB
- C: IT
- D: UTI

13. Choose the missing terms out of the given alternatives.
A, B, N, C, D, O, E, F, P, ?, ?, ?

- A: G,I,K
- B: G,H,Q
- C: H,K,L
- D: J,K,L

14. Choose the missing terms out of the given alternatives.
A, B, N, C, D, O, E, F, P, ?, ?, ?

- A: G,I,K
- B: G,H,Q
- C: H,K,L
- D: J,K,L

15. 5824, 5242, ?, 4247, 3823

- A: 4467
- B: 4718
- C: 4719
- D: 4817

16. Find out the wrong term.
11, 5, 20, 12, 40, 26, 74, 54

- A: 5
- B: 20
- C: 40
- D: 74

17. 90, 180, 12, 50, 100, 200, ?, 3, 50, 4, 25, 2, 6, 30, 3

- A: 150
- B: 175
- C: 225
- D: 250

Data Sufficiency

TEST 1

1. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

   Who among P, Q, T, V and M is exactly in the middle when they are arranged in ascending order of their heights ?

   Statements:

   V is taller than Q but shorter than M.

   T is taller than Q and M but shorter than P.

   - A: I alone is sufficient while II alone is not sufficient
   - B: II alone is sufficient while I alone is not sufficient
   - C: Either I or II is sufficient
   - D: Both I and II are required

2. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

   On which day of the week did Hakim visit the zoo ?

   Statements:

   Hakim did not visit zoo either on Tuesday or on Thursday.

   Hakim visited zoo two days before his mother reached his house which was day after Monday.

   - A: I alone is sufficient while II alone is not sufficient
   - B: II alone is sufficient while I alone is not sufficient
   - C: Either I or II is sufficient
   - D: Neither I nor II is sufficient

3. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**
   How is R related to M ?

   Statements:

   M's brother is husband of P.
   P is mother of R's sister.

   - A: I alone is sufficient while II alone is not sufficient
   - B: II alone is sufficient while I alone is not sufficient
   - C: Either I or II is sufficient
   - D: Neither I nor II is sufficient

4. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

How many speeches were delivered in the two days' programme ?

Statements:

18 speakers were invited to give at least one speech (maximum of two speech), out of which one-sixth of the speakers could not come.

One-third of the speakers gave two speeches each.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Both I and II are sufficient

5. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

T studies in which of the schools B, C, D, E and F ?

Statements:

T does not study in the same school as either R or J.

R and J study in schools D and F respectively.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

6. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

How is M related to N?

Statements:

P, who has only two kids, M and N, is the mother-in-law of Q, who is sister-in-law of N.

R, the sister-in-law of M, is the daughter-in-law of S, who has only two kids, M and N.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

7. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

The Chairman of a big company visits one department on Monday of every week except for the Monday of third week of every month. When did he visit the Purchase department ?

Statements:

He visited accountsdepartment in the second week of September after having visited Purchase department on the earlier occasion.

He had visited Purchase department immediately after visiting Stores department but before visiting accounts department.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

8. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

What is Nina's rank from the top in a class of forty students ?

Statements:

There are ten students between Nina and Deen.

Deen is twentieth from the top.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

9. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

What is the rank of P from the bottom in a class of 30 students ?

Statements:

M is third from the top and there are five students between M and P.

The rank of K is fourth from the bottom and there are 17 students between K and P.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

10. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Which train did Amin catch to go to office ?

Statements:

Amin missed his usual train of 10.25 a.m. A train comes in every 5 minutes.

Amin did not catch the 10.40 a.m. train or any train after that time.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

11. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

What is the numerical code for 'water' in a certain code ?

Statements:

The code for 'give me water' is '719'.

The code for 'you can bring water for me' is written as '574186'.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

12. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Which direction is Sunny facing now ?

Statements:

If Sunny turns to his right and again turns to his right, he will be facing North.

If Sunny walks some distance and turns left and again walks some distance, then his face will be towards left of Danesh who is facing South

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

13. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Question: What will be the total weight of 10 poles, each of the same weight ?

Statements:

One-fourth of the weight of each pole is 5 kg.

The total weight of three poles is 20 kilograms more than the total weight of two poles.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

14. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

It is 8.00 p.m., when can Hamza get next bus for Rajanpur from Dina?

Statements:

Buses for Rajanpur leave after every 30 minutes, till 10 p.m.

Fifteen minutes ago, one bus has left for Rajanpur.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Both I and II are sufficient

15. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

What is the total monthly salary of Vasu ?

Statements:

Vasu's basic salary is Rs 100 more than Rajan's salary who also serves in Vasu's company.

Other allowances drawn by Rajan besides his basic salary are Rs 2000 per month which is Rs 50 less than Vasu's salary.

Rajan's basic salary is Rs 1550 per month.

- A: Only II
- B: Only II and III
- C: Only I and II
- D: All I, II and III

16. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

In a certain code language, '297' means 'tie clip button'. Which number means 'button' in that language ?

Statements:

In that language, '926' means clip your tie'.

In that language, '175' means 'hole and button'.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

17. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

How many children does M have ?

Statements:

H is the only daughter of X who is wife of M.

K and J are brothers of M.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Neither I nor II is sufficient
- D: Either I or II is sufficient

18. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Question: In which year was Waqas born?

Statements:

Waqas at present is 25 years younger to his mother.

Waqas's brother, who was born in 1964, is 35 years younger to his mother.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Both I and II are sufficient

19. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Gohar ranks eighteenth from the top in a class. What is his rank from the last?

Statements:

There are 47 students in the class.

Junaid who ranks 10th in the same class, ranks 38th from the last.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

20. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

How many gift boxes were sold on Monday ?

Statements:

It was 10% more than the boxes sold on the earlier day i.e. Sunday.

Every third visitor to the shop purchased the box and 1500 visitors were there on Sunday

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Both I and II are sufficient
- D: Neither I nor II is sufficient

TEST 2

1. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

   Among five friends, who is the tallest ?

   Statements:

   D is taller than A and C.

   B is shorter than E but taller than D.

   - A: I alone is sufficient while II alone is not sufficient
   - B: II alone is sufficient while I alone is not sufficient
   - C: Both I and II are sufficient
   - D: Neither I nor II is sufficient

2. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

   What does '$' mean in a code language?

   Statements:

   '5$#3' means 'flowers are really good'.

   '7#35' means 'good flowers are available'.

   - A: I alone is sufficient while II alone is not sufficient
   - B: II alone is sufficient while I alone is not sufficient
   - C: Both I and II are sufficient
   - D: Neither I nor II is sufficient

3. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. In a gymnasium, Athletes achieved rank on the basis of less weights. Find the position of Rock in a gym of fifty Athletes?**

   John’s position from the bottom is 33.

   Rock is 3 position above John from the bottom.

   Rock is 3 position below John from the top

   - A: Only I and either II or III
   - B: Only I
   - C: Only I and III
   - D: Only I and II

4. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

In a row of five buildings - P, Q, R, S and T, which building is in the middle ?

Statements:

Buildings S and Q are at the two extreme ends of the row.

Building ,T is to the right of building R.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

5. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

In a row of five children A, B, C, D and E, who is standing in the middle ?

Statements:

D is to the immediate right of E and B is to the immediate left of E.

B is at the extreme left of the, row.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Both I and II are sufficient
- D: Neither I nor II is sufficient

6. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**
Question: How much money do Akram and Suman have together ?
Statements:

Suman has 20 rupees less than what Tahir has.

Akram has 30 rupees more than what Tahir has.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

7. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**
Question: How many children are there between P and Q in a row of children ?
Statements:
P is fifteenth from the left in the row.
Q is exactly in the middle and there are ten children towards his right.

- A: I alone is sufficient while II alone is not sufficient
- B: Both I and II are sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

8. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

In a certain code, 'nop al ed' means They like flowers'. Which code word means 'flowers' ?

Statements:
'id nim nop' means 'They are innocent'.
'gob ots al' means 'We like roses'

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Both I and II are sufficient
- D: Neither I nor II is sufficient

9. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**
Question: What is the code for 'sky' in the code language ?
Statements:
In the code language, 'sky is clear' is written as 'de ra fa'.
In the same code language, 'make it clear' is written as 'de ga jo'.

- A: II alone is sufficient while I alone is not sufficient
- B: I alone is sufficient while II alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

10. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**
Who is the tallest among six boys Pragnesh, Tia, Nilesh, Deepa, Kirti and Ravi?
I. Kirti is not taller than Tia and Ravi.
II. Ravi is taller than Kirti but not as tall as Tia.
III. Pragnesh is taller than Deepa and Nilesh but not as tall as Tia.

- A: Only I and either II or III
- B: Only I
- C: Only II and III
- D: Only I and II

11. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.
Question: How is J related to P ?
Statements:
M is brother of P and T is sister of P.
P's mother is married to J's husband who has one son and two daughters.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

12. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Vali and Javed's salaries are in the proportion of 4 : 3 respectively. What is Vali's salary ?

Statements:
Javed's salary is 75% that of Vali's salary.
Javed's salary is Rs 4500.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

13. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Who among P, Q, R, S and T is the lightest?

Statements:
R is heavier than Q and T but lighter than S.
S is not the heaviest.

- A: Both I and II are sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

14. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.
Question: How much was the total sale of the company ?
Statements:
The company sold 8000 units of product A each costing Rs. 25.
This company has no other product line.

- A: Both I and II are sufficient
- B: Either I or II is sufficient
- C: II alone is sufficient while I alone is not sufficient
- D: I alone is sufficient while II alone is not sufficient

15. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

How many visitors saw the exhibition yesterday ?

Statements:

Each entry pass holder can take up to three persons with him/her.

In all, 243 passes were sold yesterday.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

16. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

How is M related to N ?

Statements:

B is the daughter of M and sister of Q.

N is the son of K who is B's grandfather.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

17. You can see a question and two statements numbered I II and III given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.
Question: How is 'DATE' written in the code language ?
Statements:

DEAR is written as $#@? in that code.

TREAT is written as %?#@% in that code.

TEAR is written as %#@? in that code,

Which of the above statement is required to answer the question.

- A: Only I and II
- B: Only II and III
- C: All I, II and III
- D: Only I and either II or III

18. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.
Question: How many children are there between P and Q in a row of children ?
Statements:

P is fifteenth from the left in the row.

Q is exactly in the middle and there are ten children towards his right.

- A: I alone is sufficient while II alone is not sufficient
- B: Both I and II are sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

19. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Among P, Q, R, S and T, Q is the second tallest and S is immediate taller than the shortest. Who among them is in the middle when they stand in the order of their heights ?

Statements:

T is not the shortest.

R is taller than S but shorter than Q.

P ranks third in height above S when all are arranged in the order of height.

- A: Only I and II
- B: Either II only or I and III only
- C: Only II
- D: Only II and III

20. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.
Question: How is T related to K?
Statements:

R's sister J has married Ts brother L, who is the only son of his parents.

K is the only daughter of L and J.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Both I and II are sufficient
- D: Neither I nor II is sufficient

TEST 3

1. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

   What is Suman's rank from the top in a class of forty students?

   Statements:

   Suman is 3 ranks below Deepak from the top.
   Deepak's rank from the bottom is 23.
   Suman is 3 ranks above Deepak from the bottom.

   - A: Any two of the three
   - B: Only I and II
   - C: Only II and III
   - D: Only II and either I or III

2. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

   How is the girl in the photograph related to Kashif?

   Statements:

   Pointing to the photograph, Kashif said, "She is the mother of my father's only granddaughter".
   Kashif has no siblings.
   Pointing to the photograph, Kashif said, "She is the only daughter-in-law of my mother."

   - A: Any two of the three
   - B: Only I and II
   - C: Only II and III
   - D: Either only III or only I and II

3. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

   What is the code for 'mangoes' in the code language ?

   Statements:

   In that code language, 'Te Le Pa Na' means 'You eat many mangoes' and 'Le Na Da' means 'You sell mangoes'.
   In the code language, 'Ge Na Se La Le' means 'They eat bananas and mangoes' and 'Ne De Le La' means 'Who others eat bananas'.

   - A: I alone is sufficient while II alone is not sufficient
   - B: II alone is sufficient while I alone is not sufficient
   - C: Either I or II is sufficient
   - D: Both I and II are sufficient

4. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

How many sons does D have ?

Statements:

A's father has three children.

B is A's brother and son of D.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

5. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

What is Gagan's age ?

Statements:

Gagan, Vimal and Kunal are all of the same age.

Total age of Vimal, Kunal and Anil is 32 years and Anil is as old as Vimal and Kunal together.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Both I and II are sufficient
- D: Neither I nor II is sufficient

6. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

What is the code for 'is' in the code language ?

Statements:

In the code language, 'shi tu ke' means 'pen is blue'.

In the same code language, 'ke si re' means 'this is wonderful'.

- A: I alone is sufficient while II alone is not sufficient
- B: Both I and II are sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

7. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

What is Sami's rank from the top in a class of 25 students?

Statements:

Simi ranks three ranks above Anila who ranks 18th from the bottom.

Simi's rank from the top is two ranks below Danish who ranks 23rd from the bottom.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

8. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

How many girls are taller than Sajid in his class ?

Statements:

When students of Sajid's class are ranked in descending order of their heights, Sajid's rank is 17th from the top among all the students and 12th among boys.

Sajid's rank from the bottom on the basis of height among boys is 18th and among all students, 29th

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

9. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

What does 'come' represent in a code language ?

Statements:

'pit na tac' means 'come and go' in that code language.

'ja ta da' means 'you are good' in that code language.

'na da rac' means 'you can come' in that code language.

- A: Only I and II
- B: Only II and III
- C: Only I and III
- D: All I, II and III

10. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Question: How is X related to Y ?

Statements:

I. Y and Z are children of D who is wife of X.

II. R's sister X is married to Y's father.

- A: Neither I nor II is sufficient
- B: Either I or II is sufficient
- C: II alone is sufficient while I alone is not sufficient
- D: I alone is sufficient while II alone is not sufficient

11. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

What is the monthly salary of Prashant ?

Statements:

Prashant gets 15% more than Shuhail while Suhail gets 10% less than Lala.

Lala's monthly salary is Rs 2500.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Both I and II are sufficient

12. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Among A, B, C, D and E, who is in the middle while standing in a row ?

Statements:

C who is third to the left of D, is to the immediate right of A and second to the left of E.

C is second to the left of E, who is not at any of the ends and who is third to the right of A. D is at one of the ends.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

13. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

What is Sami's position from the right end in a row of children?

Statements:

There are 10 children between Sami and Raja.
Raja is twentieth from the left end of the row of children.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

14. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

In which year was Sajid born ?

Statements:

Sajid is six years older than Gohar.

Gohar's brother was born in 1982.

Sajid's brother is two years younger than Gohar's brother who was eight years younger than Gohar.

- A: Only I and II
- B: Only II and III
- C: Only I and III
- D: All I, II and III

15. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

How is the man in the portrait related to Junaid ?
I. Pointing to the portrait, Junaid said “He is the father of my mother’s only grandson.”
II. Junaid is the only child of his parents.
III. Pointing to the portrait, Junaid said “He is the only son-in-law of my Father.”

- A: Only I
- B: Only II
- C: Only II and III
- D: None of these

16. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Among A, B, C, D, E and F, who is the heaviest ?

Statements:

A and D are heavier than B, E and F but none of them is the heaviest.
A is heavier than D but lighter than C.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

17. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Five persons - A, B, C, D and E are sitting in a row. Who is sitting in the middle?

Statements:

B is between E and C.
B is to the right of E.
D is between A and E.

- A: Only I and II
- B: Only II and III
- C: Only I and III
- D: All I, II and III

18. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

How many employees of bank Z opted for VRS ?

Statements:

18% of the 950 officer cadre employees and 6% of the 1100 other cadre employees opted for VRS.

28% of the employees in the age-group of 51 to 56 and 17% of the employees in all other age-groups opted for VRS

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

19. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

How many sons does X have ?

Statements:

Q and U are brothers of T.
R is sister of P and U.
R and T are daughters of X.

- A: Only I and II
- B: Only II and III
- C: All I, II and III
- D: I, II and III together are not sufficient

TEST 4

1. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

   Mani, Prem, Ali and Kamal are four friends. Who among them is the heaviest ?

   Statements:

   Prem is heavier than Mani and Kamal but lighter than Ali.

   Mani is lighter than Prem and Ali but heavier than Kamal.

   - A: I alone is sufficient while II alone is not sufficient
   - B: II alone is sufficient while I alone is not sufficient
   - C: Either I or II is sufficient
   - D: Neither I nor II is sufficient

   Question : 2/16

2. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

   Question: What is the shortest distance between Defence and Dunyapur ?

   Statements:

   Dunyapur is 20 kms away from Chaklala.

   Defence is 15 kms away from Chaklala.

   - A: I alone is sufficient while II alone is not sufficient
   - B: II alone is sufficient while I alone is not sufficient
   - C: Either I or II is sufficient
   - D: Neither I nor II is sufficient

3. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

   How is T is related to K?

   Statements:

   K has two sons; one of the sons is A.

   The mother of T has only two sons A and B.

   - A: I alone is sufficient while II alone is not sufficient
   - B: II alone is sufficient while I alone is not sufficient
   - C: Either I or II is sufficient
   - D: Both I and II together are sufficient

4. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

What is the colour of the fresh grass ?

Statements:

Blue is called green, red is called orange, orange is called yellow.

Yellow is called white, white is called black, green is called brown and brown is called purple.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

5. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

What does 'nip' stand for in a code language ?

Statements:

In the code language, 'that is very beautiful' is written as 'se nip sre num'

In the same code language, 'my house is beautiful' is written as 'nip sto sre tip'.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

6. **You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.**

How is A related to D ?

Statements:

B is the brother of A.

B is D's son.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

7. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

How is 'No' coded in the code language ?

Statements:

'Ne Pa Sic Lo' means 'But No None And' and 'Pa Lo Le Ne' means 'If None And But'.

'Le Se Ne Sic' means 'If No None Will' and 'Le Pi Se Be' means 'Not None If All'.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

8. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Question: Who is to the immediate right of P among five persons P, Q, R, S and T facing North ?

Statements:

I. R is third to the left of Q and P is second to the right of R.

II. Q is to the immediate left of T who is second to the right of P.

- A: Neither I nor II is sufficient
- B: Either I or II is sufficient
- C: II alone is sufficient while I alone is not sufficient
- D: I alone is sufficient while II alone is not sufficient

9. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Who is the tallest among six boys P, T, N, D, Q and R ?

Statements:

P is taller than D and N but not-as tall as T.

R is taller than Q but not as tall as T.

Q is not taller than T and R.

- A: Only I and II
- B: Only II and III
- C: Only I and III
- D: Only II and III

10. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Which code word stands for 'good' in the coded sentence 'sin co bye' which means 'He is good' ?

Statements:

In the same code language, 'co mot det' means 'They are good'.
In the same code language, 'sin mic bye' means 'He is honest'.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

11. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Question: The last Sunday of March, 2006 fell on which date ?

Statements:

The first Sunday of that month fell on 5th.
The last day of that month was Friday.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

12. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Among M, N, D, P and K, who earns more than only the least earner among them ?

Statements:

N earns more than M and P but less than only D.
M earns more than P who earns less than K.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient`

13. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

What time did the train leave today ?

Statements:

The train normally leaves on time.
The scheduled departure is at 14 : 30.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Either I or II is sufficient
- D: Neither I nor II is sufficient

14. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Four subjects - Physics, Chemistry, Mathematics and Biology - were taught in four consecutive periods of one hour each starting from 8.00 a.m. At what time was the Chemistry period scheduled ?

Statements:

Mathematics period ended at 10.00 a.m., which was preceded by Biology.
Physics was scheduled in the last period.
Mathematics period was immediately followed by Chemistry.

- A: Only I
- B: Either I only or II only
- C: Only II
- D: Only I and either II or III

15. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Among Musa, Aliya, Sohail, Rana and Tanveer, who came last for the programme ?

Statements:

Musa came after Aliya but not after Tanveer.
Rana came after Tanveer but not after Sohail.

- A: I alone is sufficient while II alone is not sufficient
- B: II alone is sufficient while I alone is not sufficient
- C: Both I and II together are sufficient
- D: Neither I nor II is sufficient

16. You can see a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

In a certain code, 'XYZ' means 'We are friends'. Which letter stands for 'We' ?

Statements:

'PYN' means 'They are classmates'.
'ZMS' means 'We love them'.
'PX' means 'Hello friends',

- A: Only II
- B: Only I and III
- C: All I, II and III
- D: None of these

Cause & Effect

TEST 1

1. **Statements:**

I. All the schools in the area had to be kept closed for most part of the week.

II. Many parents have withdrawn their children from the local schools.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

2. **Statements:**

I. It is the aim of the city's civic authority to get the air pollution reduced by 20% in the next two months.
II. The number of asthma cases in the city is constantly increasing.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

3. **Statements:**

I. The State Government has announced special tax package for the new industries to be set-up in the State.
II. Last year the State Government had hiked the taxes for all industrial activities in the State.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent

4. **Statements:**

I. A huge truck overturned on the middle of the road last night.
II. The police had cordoned of entire area in the locality this morning for half of the day.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

5. **Statements:**

I. The performance of most of the students in final exam of class X in the schools run by the Government was excellent.

II. Many teachers of the Government schools left the school and joined private schools.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

6. **Statements:**

I. The government has allowed private airline companies in Pakistan to operate to overseas destinations.

II. The national air carrier has increased its flights to overseas destinations.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of same causes

7. **Statements:**

I. The literacy rate in the district has been increasing for the last four years.

II. The district administration has conducted extensive training programme for the workers involved in the literacy drive.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

8. **Statements:**

I. The life today is too fast, demanding and full of variety in all aspects which at times leads to stressful situations.

II. Number of suicide cases among teenagers is on increase.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

9. Statements:

I. There is sharp decline in the production of oil seeds this year.

II. The Government has decided to increase the import quantum of edible oil.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

10. Statements:

I. Most of the steel producing companies in the country have made considerable profit during the last financial year.

II. Many Asian countries have been importing huge quantities of steel from Pakistan.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

11. Statements:

I. The prices of vegetables have been increased considerably during this summer.

II. There is tremendous increase in the temperature during this summer thereby damaging crops greatly.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

12. Statements:

I. Majority of the citizens in the locality belongs to higher income group.

II. The sales in the local super market are comparatively much higher than in other localities.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

13. Statements:

I. The local co-operative credit society has decided to stop giving loans to farmers with immediate effect.

II. A large number of credit society members have withdrawn major part of their deposits from the credit society.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

14. Statements:

I. The Government has imported large quantities of sugar as per trade agreement with other countries.

II. The prices of sugar in the domestic market have fallen sharply in the recent months.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

15. Statements:

I. Police resorted to lathi-charge to disperse the unlawful gathering of large number of people.

II. The citizens' forum called a general strike in protest against the police atrocities.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

16. Statements:

I. There is unprecedented increase in the number of young unemployed in comparison to the previous year

II. A large number of candidates submitted applications against an advertisement for the post of manager issued by a bank.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

17. Statements:

I. Rural areas in the country have been suffering due to absence of light for quite some time.

II. If the Government is not able to overcome the power crisis, light will not come in Rural areas.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of some common cause.

18. Statements:

I. Large number of Primary Schools in the rural areas is run by only one teacher.

II. There has been a huge dropout from the primary schools in rural areas.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

19. Statements:

I. The car manufacturing companies have recently increased the prices of mid-sized cars.

II. The Government recently increased the duty on mid-sized cars.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

20. Statements:

I. The staff of Airport Authorities called off the strike they were observing in protest against privatization.

II. The staff of Airport Authorities went on strike anticipating a threat to their jobs.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

TEST 2

1. **Statements:**

   I. There is considerable reduction in the number of people affected by water-borne diseases in City A during this rainy season.

   II. The government has opened four new civil hospitals in City A in the beginning of the year.

   - A: Statement I is the cause and statement II is its effect
   - B: Statement II is the cause and statement I is its effect
   - C: Both the statements I and II are independent causes
   - D: Both the statements I and II are effects of independent causes

2. **Statements:**

   I. The State Bank of Pakistan has recently put restrictions on few small banks in the country.

   II. The small banks in the private and co-operative sector in Pakistan are not in a position to withstand the competitions of the bigger in the public sector.

   - A: Statement I is the cause and statement II is its effect
   - B: Statement II is the cause and statement I is its effect
   - C: Both the statements I and II are independent causes
   - D: Both the statements I and II are effects of independent causes

3. **Statements:**

   I. Rural and semi-urban areas in the country have been suffering due to load shedding for quite some time.

   II. If the Government is not able to overcome the power crisis, load shedding will be extended even to the urban areas.

   - A: Statement I is the cause and statement II is its effect
   - B: Statement II is the cause and statement I is its effect
   - C: Both the statements I and II are independent causes
   - D: Both the statements I and II are effects of some common cause

4. **Statements:**

I. The meteorological Department has issued a statement mentioning deficient rainfall during monsoon in many parts of the country.

II. The Government has lowered the revised estimated GDP growth from the level of earlier estimates.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

5. **Statements:**

I. The prices of petrol and diesel in the domestic market have remained unchanged for the past few months.
II. The crude oil prices in the international market have gone up substantially in the last few months.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

6. **Statements:**

I. Majority of the students in the college expressed their opinion against the college authority's decision to break away from the university and become autonomous.
II. The university authorities have expressed their inability to provide grants to its constituent colleges.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

7. **Statements:**

I. Large number of people living in the low-lying areas has been evacuated during the last few days to safer places.
II. The Government has rushed in relief supplies to the people living in the affected areas.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of some common cause

8. Statements:

I. The school authority has asked the X Std. students to attend special classes to be conducted on Sundays.
II. The parents of the X Std. students have withdrawn their wards from attending private tuitions conducted on Sundays.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

9. Statements:

I. The university authority has instructed all the colleges under its jurisdiction to ban use of all phones inside the college premises.

II. Majority of the teachers of the colleges signed a joint petition to the university complaining the disturbances caused by cell phone ring-tones inside the classrooms.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

10. Statements:

I. Many people in the area are reported to be suffering from Malaria.

II. Private Medical Practitioners in the area have decided to close their clinics for few days.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

11. Statements:

I. Police had resorted to lathi-charge to disperse the unruly mob from the civic headquarters.

II. The civic administration has recently hiked the property tax of the residential buildings by about 30 percent.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

12. Statements:

I. The government has decided to make all the information related to primary education available to the general public.

II. In the past, the general public did not have access to all these information related to primary education.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

13. Statements:

I. The farmers have decided against selling their kharif crops to the Government agencies.

II. The Government has reduced the procurement price of kharif crops starting from last month to the next six months.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

14. Statements:

I. Importance of Yoga and exercise is being realized by all sections of the society.

II. There is an increasing awareness about health in the society particularly among middle ages group of people.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

15. Statements:

I. There is increase in water level of all the water tanks supplying drinking water to the city during the last fortnight.

II. Most of the trains were cancelled last week due to water-logging on the tracks.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of same causes

16. Statements:

I. The vegetable prices in the local market have increases manifold during the past few days.

II. Incessant rains have created flood like situation in most rural parts of the State.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

17. Statements:

I. The employees of the biggest bank in the country have given an indefinite strike call starting from third of the next month.

II. The employees of the Central Government have withdrawn their week long demonstrations.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

TEST 3

1. **Statements:**

   Many people visited the religious place during the week-end.

   Few people visited the religious place during the week days.

   - A: Statement I is the cause and statement II is its effect
   - B: Statement II is the cause and statement I is its effect
   - C: Both the statements I and II are independent causes
   - D: Both the statements I and II are the effects of some common cause.

2. **Statements:**

   The government has decided to give tax benefits for small savings for investments and benefit accruals. However, all withdrawals of such savings are to be taxed.

   People have been investing more in small savings than in equity market to avail maximum tax benefits.

   - A: Statement I is the cause and statement II is its effect
   - B: Statement II is the cause and statement I is its effect
   - C: Both the statements I and II are independent causes
   - D: Both the statements I and II are effects of independent causes

3. **Statements:**

   The private medical colleges have increased the tuition fees in the current year by 200 per cent over the last year's fees to meet the expenses.

   The Government medical colleges have not increased their fees in spite of price escalation.

   - A: Statement I is the cause and statement II is its effect
   - B: Statement II is the cause and statement I is its effect
   - C: Both the statements I and II are independent causes
   - D: Both the statements I and II are effects of independent causes

4. **Statements:**

The Government has decided to hold a single entrance test for admission to all the medical colleges in Pakistan.

The Provincial Government has debarred students from other Provinces to apply for the seats in the medical colleges in the Province.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of some common cause.

5. **Statement:**

The government has recently fixed the fees for professional courses offered by the unaided institutions which are much lower than the fees charged last year.

The parents of the aspiring students launched a severe agitation last year protesting against the high fees charged by the unaided institutions.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

6. **Statements:**

The employees of the biggest bank in the country have given an indefinite strike call starting from the third of the next month.
The employees of the Central Government have withdrawn their week long demonstrations.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

7. **Statements:**

The police authority has recently caught a group of house breakers.
The citizens group in the locality have started night vigil in the area.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of some common cause

8. Statements:

There has been a high increase in the incidents of atrocities against women in the city during the past few months.

The police authority has been unable to nab the culprits who are committing crime against women.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

9. Statements:

The university officers have decided to conduct last examination every year in March/April in order to announce the result at proper time.

In past the result was declared late by the University due to the lack of number of examiners.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

10. Statements:

The prices of food grains and other essential commodities in the open market have risen sharply during the past three months.

The political party in opposition has given a call for general strike to protest against the government's economic policy.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

TEST 4

1. **Statements:**

   I. Standard of living among the middle class society is constantly going up since part of few years.

   II. Pakistani Economy is observing remarkable growth.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

2. **Statements:**

   I. The Government has increased rates of petrol and diesel by 10% from the immediate effect.

   II. Oil producing countries have decided to increase 10% of production on crude oil from the last quarter.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

3. **Statements:**

   I. Pakistan has surpassed the value of tea exports this year over all the earlier years due to an increase in demand for quality tea in the European market.

   II. There is an increase in demand of coffee in the domestic market during the last two years.

- A: Statement I is the cause and statement II is its effect
- B: Statement II is the cause and statement I is its effect
- C: Both the statements I and II are independent causes
- D: Both the statements I and II are effects of independent causes

Classification

TEST 1

1. **Choose the odd one.**
   - A: Apple
   - B: Mango
   - C: Watermelon
   - D: Guava

2. **Which word does NOT belong with the others?**
   - A: Seat
   - B: Rung
   - C: Cushion
   - D: Leg

3. **Choose the pair in which the words are differently related.**
   - A: Army : General
   - B: Team : Captian
   - C: Crache : Infant
   - D: Meeting : Chairman

4. **Choose the odd one.**
   - A: Correction
   - B: Improvement
   - C: Betterment
   - D: Elevation

5. **Choose the odd one.**
   - A: Brigadier
   - B: Commodore
   - C: Commander
   - D: Admiral

6. **Which word does NOT belong with the others?**
   - A: Noun
   - B: Preposition
   - C: Punctuation
   - D: Adverb

7. **Choose the odd one.**
   - A: Island
   - B: Coast
   - C: Harbour
   - D: Oasis

8. **Get the odd one out.**
   - A: 125
   - B: 216
   - C: 27
   - D: 121

9. **Choose the word which is least like the other words.**
   - A: Book
   - B: Paper
   - C: Pencil
   - D: Pen

10. **Choose the group of letters which is different from others.**
    - A: XW
    - B: FG
    - C: ML
    - D: PO

11. Choose the odd one.

- A: Calender
- B: Month
- C: Year
- D: Day

12. Choose the odd one.

- A: Carrot
- B: Potato
- C: Ginger
- D: Cabbage

13. Choose the word which is least like the other words.

- A: Inch
- B: Foot
- C: Yard
- D: Quart

14. Choose the odd one.

- A: Under
- B: Near
- C: Beside
- D: Where

15. Choose the odd one.

- A: Cot
- B: Sheet
- C: Quilt
- D: Blanket

16. Which word does NOT belong with the others?

- A: Area
- B: Variable
- C: Circumference
- D: Quadrilateral

17. Choose the odd one.

- A: Bake
- B: Peel
- C: Fry
- D: Roast

18. Choose the word which is least like the other words.

- A: Barber
- B: Carpenter
- C: Blacksmith
- D: Tailor

19. Choose the odd one.

- A: Graphite
- B: Pearl
- C: Diamond
- D: Coal

20. Choose the pair in which the words are differently related.

- A: Hard : Soft
- B: Long : High
- C: Sweet : Sour
- D: Pointed : Blunt

TEST 2

1. **Choose the word which is least like the other words.**

   - A: Faraday
   - B: Beethovan
   - C: Newton
   - D: Addison

2. **Get the odd one out.**

   - A: 1 : 2
   - B: 3 : 28
   - C: 4 : 65
   - D: 2 : 7

3. **Get the odd one out.**

   - A: 4 2 6
   - B: 3 6 9
   - C: 2 7 9
   - D: 1 5 9

4. **Choose the pair in which the words are differently related.**

   - A: Book : Page
   - B: Table : Drawer
   - C: Loom : Cloth
   - D: Car : Wheel

5. **Get the odd one out.**

   - A: DEGJ
   - B: QRTW
   - C: JKNQ
   - D: YZBE

6. **Get the odd one out.**

   - A: Joker
   - B: King
   - C: Ace
   - D: Minister

7. **Choose the pair in which the words are differently related.**

   - A: Flower : Petal
   - B: Chair : Leg
   - C: Circle : Arc
   - D: Cover : Page

8. **Choose the pair in which the words are differently related.**

   - A: Shirt : Dress
   - B: Boy : Girl
   - C: Mango : Fruit
   - D: Table : Furniture

9. **Choose the pair in which the words are differently related.**

   - A: Petrol : Car
   - B: Ink : Pen
   - C: Garbage : Dustbin
   - D: Graphite: Pencil

10. Get the odd one out.

- A: CAE
- B: KGM
- C: NLP
- D: YWA

11. Choose the odd one.

- A: Iilusion
- B: Delusion
- C: Hallucination
- D: Identification

12. Choose the odd one.

- A: Owl
- B: Eagle
- C: Hawk
- D: Parrot

13. Choose the group of letters which is different from others.

- A: BDYW
- B: CEXZ
- C: DFYW
- D: EGXV

14. Choose the pair in which the words are differently related.

- A: Oil : Lamp
- B: Water : Tap
- C: Oxygen : Life
- D: Power : Machine

15. Choose out the odd one.

- A: Tortoise
- B: Duck
- C: Whale
- D: Snake

16. Choose the group of letters which is different from others.

- A: ALMZ
- B: BTUY
- C: CPQX
- D: DEFY

17. Choose the pair in which the words are differently related.

- A: Death : Disease
- B: Milk : Butter
- C: Grape : Wine
- D: Water : Oxygen

18. Get the odd one out.

- A: DFHB
- B: KMOJ
- C: PRTN
- D: XZBV

19. Choose the pair in which the words are differently related.

- A: Flower : Petal
- B: Chair : Leg
- C: Circle : Arc
- D: Cover : Page

20. Choose the odd one.

- A: Umayyads
- B: Mughals
- C: Abbasis
- D: Fatmids

TEST 3

1. **Choose the odd one**

A: Distress
B: Calm
C: Dull
D: Gloomy

2. **Choose the group of letters which is different from others.**

A: BHE
B: DJG
C: SYV
D: PUS

3. **Choose the group of letters which is different from others.**

A: JKL
B: LMO
C: VWY
D: QRT

4. **Choose the group of letters which is different from others.**

A: EBA
B: XUT
C: JFE
D: YVU

5. **Choose the group of letters which is different from others.**

A: BD
B: IK
C: PN
D: SU

6. **Choose the word which is least like the other words.**

A: Deck
B: Quay
C: Stern
D: Bow

7. **Choose the pair in which the words are differently related.**

A: Apple : Jam
B: Lemon : Citrus
C: Tomato : Pury
D: Orange : Squash

8. **Which word does NOT belong with the others?**

A: Rye
B: Sourdough
C: Pumpernickel
D: Loaf

TEST 4

1. **Which word does NOT belong with the others?**

   - A: Aorta
   - B: Heart
   - C: Liver
   - D: Stomach

2. **Choose the odd one.**

   - A: Snake
   - B: Whale
   - C: Crocodile
   - D: Lizard

3. **Which word does NOT belong with the others?**

   - A: Two
   - B: Three
   - C: Six
   - D: Eight

4. **Choose the odd one.**

   - A: Trunk
   - B: Grass
   - C: Roots
   - D: Shrub

5. **Which word does NOT belong with the others?**

   - A: Dodge
   - B: Flee
   - C: Duck
   - D: Avoid

6. **Which word does NOT belong with the others?**

   - A: Couch
   - B: Rug
   - C: Table
   - D: Chair

7. **Get the odd one out.**

   - A: YWU
   - B: NLJ
   - C: KIF
   - D: VTR

8. **Choose the pair in which the words are differently related.**

   - A: Stamp : Letter
   - B: Ticket : Train
   - C: Ink : Pen
   - D: Car : Engine

9. **Which word does NOT belong with the others?**

   - A: Guitar
   - B: Flute
   - C: Violin
   - D: Cello

10. Which word does NOT belong with the others?

- A: Branch
- B: Dirt
- C: Leaf
- D: Root

11. Choose the odd one.

- A: Circle
- B: Ellipse
- C: Sphere
- D: Cube

12. Choose the group of letters which is different from others.

- A: BD
- B: MP
- C: NQ
- D: TW

13. Which word does NOT belong with the others?

- A: Fair
- B: Just
- C: Equitable
- D: Favorable

14. Choose the word which is least like the other words

- A: Hostel
- B: Inn
- C: Hotel
- D: Restaurant

15. Which word does NOT belong with the others?

- A: Biology
- B: Chemistry
- C: Theology
- D: Zoology

16. Which word does NOT belong with the others?

- A: Lobster
- B: Giraffe
- C: Cat
- D: Elephant

17. Choose the word which is least like the other words.

- A: Diameter
- B: Tangent
- C: Diagonal
- D: Arc

18. Which word does NOT belong with the others?

- A: Unique
- B: Beautiful
- C: Rare
- D: Exceptional

19. Which word does NOT belong with the others?

- A: Unimportant
- B: Trivial
- C: Insignificant
- D: Familiar

20. Which word does NOT belong with the others?

- A: Peninsula
- B: Island
- C: Bay
- D: Cape

Common Logic

TEST 1

1. **Scale always has ?**

A: Length
B: Measurement
C: Sections
D: Limits

2. **A train always has**

A: Rails
B: Driver
C: Guard
D: Engine

3. **A song always has:**

A: Words
B: Chorus
C: Musician
D: Tymbal

4. **Disclosure always involves:**

A: Agents
B: Display
C: Exposition
D: Secret

5. **Website always has?**

A: Information
B: Images
C: Attachments
D: Address

6. **A mirror always:**

A: Retracts
B: Distorts
C: Refracts
D: Reflects

7. **What is found necessarily in a Competition?**

A: Merit
B: Panel
C: Competitor
D: Score

8. **Which one of the following is always found in 'Wonder'?**

A: Crowd
B: Lumber
C: Rustic
D: Astonishment

9. **Painting always has ?**

A: Attraction
B: Colors
C: Design
D: All of above

10. A school always has?

- A: Principal
- B: Building
- C: Library
- D: Teachers

11. Men always have:

- A: Heart
- B: Emotions
- C: Anger
- D: None of these

12. A Country always has:

- A: Prime Minister
- B: President
- C: King
- D: Capital

13. Which one of the following is always found in 'Bravery'?

- A: Experience
- B: Courage
- C: Power
- D: Knowledge

14. Sound always :

- A: Travels
- B: Whisper
- C: Noisy
- D: Alarming

15. What is found necessarily in newspaper?

- A: Date
- B: Advertisement
- C: News
- D: Editor

16. Movie always has .

- A: Actor
- B: Producer
- C: Theme
- D: Script

17. Which one of the following is always with 'Bargain'?

- A: Exchange
- B: Sumptuousness
- C: Triviality
- D: Eloquence

18. A Book always has :

- A: Page
- B: Preface
- C: Index
- D: Text

19. What is found in an Office?

- A: Staff
- B: Security Camera
- C: Departments
- D: Peon

20. Rose forms a group of Plants.

- A: Sometimes
- B: Always
- C: Never
- D: Often

TEST 2

1. **A camera always has :**

   A: Reels
   B: Flash
   C: Stand
   D: Lens

2. **What is always found in Apprehension?**

   A: Easiness
   B: Chaos
   C: Cooperation
   D: Poignancy

3. **A boy is sitting at the back seat of a car. When the driver suddenly starts moving the car (in forward direction), the boy experiences a backward force?**

   A: Always
   B: Never
   C: Often
   D: Sometimes

4. **What is found necessarily in milk?**

   A: Cream
   B: Curd
   C: Water
   D: Whiteness

5. **Which one of the following is always found in factories?**

   A: Chimney
   B: Workers
   C: Electricity
   D: Sellers

6. **My ten years old niece is taller than my twelve years old son:**

   A: Always
   B: Never
   C: Often
   D: Sometimes

7. **If Asim is going early in the morning towards the south the sun will be visible at his opposite side to right side:**

   A: Never
   B: Sometimes
   C: Often
   D: Always

8. **Which one of the following a 'Drama' must have?**

   A: Actors
   B: Story
   C: Sets
   D: Director

9. **Depression always has a :**

   A: Cause
   B: Purpose
   C: Solution
   D: Happiness

10. **Empathy involves the :**

    A: Sharing
    B: Sacrifice
    C: Pain
    D: Appreciation

11. Debate always has :

- A: Quiet
- B: Harmony
- C: Peace
- D: Deliberation

12. Greed always has a :

- A: Distast
- B: Indifference
- C: Avarice
- D: Apathy

13. Quilt always has ?

- A: Cover
- B: Cotton
- C: Tags
- D: Print

14. Milk always contains?

- A: Sugar
- B: Fats
- C: Calcium
- D: Water

15. Which of the following is associated with `Diamond'?

- A: Use
- B: Brilliance
- C: Conductivity
- D: Hardness

16. Yesterday I saw an ice cube which had already melted due to heat of a nearby furnace. Is this statement true?

- A: Always
- B: Never
- C: Often
- D: Sometimes

17. What is always found in Apprehension?

- A: Easiness
- B: Chaos
- C: Cooperation
- D: Poignancy

18. Atmosphere always has ?

- A: Germs
- B: Air
- C: Moisture
- D: Oxygen

19. Nature always has:

- A: Rules
- B: Difficulty
- C: Effect
- D: Happiness

20. Cricket always has …….

- A: Pitch
- B: Glove
- C: Bat
- D: Pads

TEST 3

1. **A disease always has :**

A: Cure
B: Germs
C: Cause
D: Patient

2. **A lotus flower always has:**

A: Mud
B: Petals
C: Root
D: Water

3. **Which one of the following is always found in 'Phrase'?**

A: Nomenclature
B: Manifestation
C: Pictorial effect
D: Glossary

4. **What is always in worry?**

A: Difficulty
B: Unrest
C: Non-Cooperation
D: Poignancy

5. **Which one of the following is always found in 'Remedy of fault'?**

A: Punishment
B: Remedy
C: Fault
D: Scolding

6. **An animal always has ?**

A: Life
B: Heart
C: Mind
D: Skin

7. **If we are going early in the morning towards the south the sun will be visible at our left:**

A: Always
B: Never
C: Often
D: Sometimes

8. **A bulb always has:**

A: Glass
B: Current
C: Filament
D: Light

9. **Danger always involves :**

A: Enemy
B: Attack
C: Fear
D: Help

10. Controversy always involves :

- A: Dislike
- B: Injustice
- C: Disagreement
- D: Passion

11. In Pakistan a widow can marry her brother-in-law although a man cannot marry the sister of his dead wife:

- A: Always
- B: Never
- C: Often
- D: Sometimes

12. What is found necessarily in game?

- A: Players
- B: Spectators
- C: Referee
- D: Victory

13. A hill always has:

- A: Trees
- B: Height
- C: Animals
- D: Water

14. Which one of the following is always associated with 'justice'?

- A: Hypocrisy
- B: Legitimate
- C: Magnanimity
- D: Diminutiveness

15. What is found necessarily in a race?

- A: Judge
- B: Spectators
- C: Competitor
- D: Prize

16. A clock always has?

- A: Alarm
- B: Numbers
- C: Battery
- D: Needles

17. Which one of the following is always in 'Sentiment'?

- A: Cruelty
- B: Insight
- C: Neutrality
- D: Emotion

18. Which one of the following is always associated with 'tree'?

- A: Flowers
- B: Leaves
- C: Fruits
- D: Roots

19. A shoe always has ?

- A: Design
- B: Leather
- C: Sole
- D: Laces

20. All animals have?

- A: Four legs
- B: Instincts
- C: Eyes
- D: Horns

TEST 4

1. **Management always involves :**

A: Regulation
B: Consel
C: Exhortation
D: Coercion

2. **A car always has:**

A: Driver
B: Wheels
C: Bonnet
D: Bumper

3. **The Taj Mahal takes on different coloring at different times of the day.**

A: Sometimes
B: Always
C: Never
D: Often

Analogies

TEST 1

1. 'Cat' is related to 'Kitten' in the same way as 'Woman' is related to:

- A: Puppy
- B: Colt
- C: Calf
- D: Baby

2. Peace : Chaos :: Creation : ?

- A: Build
- B: Construction
- C: Destruction
- D: Manufacture

3. Newspaper, Hoarding, Television

- A: Press
- B: Media
- C: Rumor
- D: Broadcast

4. Architect : Building :: Sculptor : ?

- A: Museum
- B: Stone e
- C: Chisel
- D: Statu

5. Flow : River :: Stagnant : ?

- A: Rain
- B: Stream
- C: Pool
- D: Canal

6. Lawyer : Court

- A: Chemist : Laboratory
- B: Businessman : Office
- C: Labour : Factory
- D: Athlete : Olympic

7. Mars, Earth, Jupiter

- A: Planets
- B: Cosmos
- C: Orbits
- D: Astronauts

8. Chalk : Blackboard

- A: Type : Point
- B: Table : Chair
- C: Door : Handle
- D: Ink : Paper

9. 'Smoke' is related to 'Pollution' in the same way as 'War' is related to:

- A: Victory
- B: Treaty
- C: Defeat
- D: Destruction

10. 'College' is related to 'Teachers' in the same way as 'Hospital' is related to:

- A: Doctors
- B: Patients
- C: Medicine
- D: Beds

11. Cloth : Mill :: Newspaper : ?

- A: Editor
- B: Reader
- C: Paper
- D: Press

12. Volleyball, Hockey, Football

- A: Aquatics
- B: Baseball
- C: Athletes
- D: Sports

13. Carbon : Diamond :: Corundum : ?

- A: Garnet
- B: Ruby
- C: Pukhraj
- D: Pearl

14. CEDH : HDEC :: ? : PNRV

- A: VRNP
- B: RNPV
- C: NRVP
- D: VNRP

15. 'Calf' is related to 'Cow' in the same way as 'Kitten' is related to:

- A: Deer
- B: Bear
- C: Cat
- D: Duck

16. 24 : 60 :: 120 : ?

- A: 160
- B: 220
- C: 300
- D: 108

17. Platform : Train

- A: Aeroplane : Aerodrome
- B: Hotel : Tourist
- C: Quay : Ship
- D: Footpath : Traveller

18. Root, Stem, Branch

- A: Fertilizer
- B: Leaf
- C: Tree
- D: Wood

19. Sunrise : Sunset

- A: Dawn : Twilight
- B: Noon : Midnight
- C: Energetic : Lazy
- D: Morning : Night

20. Scales : Fish

- A: Bear : Fur
- B: Woman : Dress
- C: Skin : Man
- D: Tree : Leaves

TEST 2

1. **Arc : Circle**

   A: Number : Count
   B: Fraction : Percentage
   C: Pie : Slice
   D: Segment : Line

2. **'Dress' is related to 'Body' in the same way as 'Bangles' is related to:**

   A: Glass
   B: Lady
   C: Wrist
   D: Beauty

3. **27 : 125 :: 64 : ?**

   A: 162
   B: 216
   C: 517
   D: 273

4. **'Wax' is related to 'Grease' in the same way as 'Milk' is related to:**

   A: Drink
   B: White
   C: Protein
   D: Curd

5. **Microphone : Loud :: Microscope : ?**

   A: Elongate
   B: Investigate
   C: Magnify
   D: Examine

6. **Kick : Football**

   A: Wash : Dishes
   B: Dust : Rage
   C: Mop : Sweep
   D: Throw : Cricket

7. **Melt : Liquid :: Freeze : ?**

   A: Ice
   B: Condense
   C: Solid
   D: Force

8. **Wrestling, Karate, Boxing**

   A: Pole-vault
   B: Swimming
   C: Judo
   D: Polo

9. **College : Student :: Hospital : ?**

   A: Nurse
   B: Doctor
   C: Treatment
   D: Patient

10. 'Reading' is related to 'knowledge' in the same way as 'Work' is related to:

- A: Money
- B: Employment
- C: Experience
- D: Engagement

11. Which one would be matching the series: Lahore, Karachi, Peshawar

- A: Islamabad
- B: Quetta
- C: Rawalpindi
- D: Pakistan

12. Parts : Strap :: Wolf : ?

- A: Fox
- B: Animal
- C: Wood
- D: Flow

13. Sound : Muffled

- A: Moisture : Humid
- B: Colour : Faded
- C: Despair : Anger
- D: Odour : Pungent

14. 8 : 24 :: ? : 32

- A: 5
- B: 6
- C: 10
- D: 8

15. Wheat, Barley, Rice

- A: Food
- B: Agriculture
- C: Farm
- D: Gram

16. Border : Country

- A: Pen : Cap
- B: Book : Cover
- C: Handle : Shade
- D: Frame : Picture

17. Race : Fatigue :: Fast :

- A: Food
- B: Laziness
- C: Hunger
- D: Race

18. Pathology, Cardiology, Radiology, Ophthalmology

- A: Biology
- B: Hematology
- C: Zoology
- D: Geology

19. Tree : Forest :: Grass : ?

- A: Lawn
- B: Garden
- C: Park
- D: Field

20. River : Ocean

- A: Child : School
- B: Book : Library
- C: Lane : Road
- D: Cloth : Body

TEST 3

1. **'Mountain' is related to 'Hill' in the same way as 'River' is related to:**

   A: Path
   B: Swimming
   C: Flowing
   D: Stream

2. **'Dogs' is related to 'Bark' in the same way as 'Goats' is related to:**

   A: Bleat
   B: Crow
   C: Grunt
   D: Howl

3. **'Forest' is related to 'Viviparium' in the same way as 'sea' is related to:**

   A: Port site
   B: Water
   C: Fishery
   D: Aquarium

4. **Numismatist : Coins**

   A: Jeweller : Jewels
   B: Cartographer : Maps
   C: Philatelist : Stamps
   D: Geneticist : Chromosomes

5. **'Jade' is related to 'Green' in the same way as 'Garnet' is related to:**

   A: Red
   B: Blue
   C: Orange
   D: Yellow

6. **25 : 37 :: 49 : ?**

   A: 41
   B: 65
   C: 56
   D: 60

7. **'Indolence' is related to 'Work' in the same way as 'Taciturn' is related to:**

   A: Cheat
   B: Act
   C: Speak
   D: Observe

8. **68 : 130 :: ? : 350**

   A: 220
   B: 224
   C: 222
   D: 226

9. **Basic, Pascal, Fortran**

   A: Cobol
   B: Bhopal
   C: Calculator
   D: Cyclotron

10. South : North-West :: West : ?

A: North
B: South-West
C: North-East
D: East

11. MO : 13 15 :: HJ : ?

A: 19 17
B: 8 10
C: 4 11
D: 16 18

12. Train : Track

A: Water : Boat
B: Bullet : Barrel
C: Idea : Brain
D: Fame : Television

13. Tiger : Forest :: Otter : ?

A: Cage
B: Sky
C: Nest
D: Water

14. 61 : 121 :: ? : 337

A: 211
B: 222
C: 220
D: 240

15. 'Rabbit' is related to 'Burrow' in the same way as 'Lunatic' is related to:

A: Prison
B: Cell
C: Asylum
D: Barrack

16. Eye : Myopia :: Teeth : ?

A: Pyorrhoea
B: Cataract
C: Trachoma
D: Eczema

17. 'Much' is related to 'Many' in the same way as 'Measure' is related to:

A: Count
B: Measures
C: Calculate
D: Weigh

18. Markhor : Pakistan :: Bear : ?

A: Australia
B: America
C: Russia
D: England

19. 'Ophthalmia' is related to 'Eye' in the same way as 'Rickets' is related to:

A: Kidney
B: Nose
C: Bone
D: Heart

20. 16 : 56 :: 32 : ?

A: 96
B: 112
C: 120
D: 128

TEST 4

1. **'Nun' is related to 'Convent' in the same way as 'Hen' is related to:**

   A: Nest
   B: Shed
   C: Cell
   D: Cote

2. **10 : 99 :: 9 : ?**

   A: 69
   B: 80
   C: 49
   D: 97

3. **MXN : 13 x 14 :: FXR : ?**

   A: 14 x 15
   B: 6 x 18
   C: 5 x 17
   D: 7 x 19

4. **Engine, Compartment, Tracks**

   A: Motor
   B: Ship
   C: Sea
   D: Rail-line

5. **'Table' is related to 'Wood' in the same way as 'Shirt' is related to:**

   A: Cotton
   B: Cloth
   C: Dress
   D: Uniform

6. **Physician : Treatment :: Judge : ?**

   A: Punishment
   B: Judgement
   C: Lawyer
   D: Court

7. **Thermometer : Temperature**

   A: Millimeter : Scale
   B: Length : Breadth
   C: Solar Energy : Sun
   D: Cardiograph : Heart rate

8. **335 : 216 :: 987 : ?**

   A: 868
   B: 867
   C: 872
   D: 888

9. **Synonym for Lock, Shut, Fasten is:**

   A: Window
   B: Door
   C: Iron
   D: Block

10. Letter : Word

- A: Page : Book
- B: Product : Factory
- C: Club : People
- D: Home work : School

11. Poles : Magnet :: ? : Battery

- A: Cells
- B: Power
- C: Terminals
- D: Energy

12. CUP : LIP :: BIRD : ?

- A: BUSH
- B: GRASS
- C: FOREST
- D: BEAK

13. 14 : 9 :: 26 : ?

- A: 12
- B: 13
- C: 31
- D: 15

14. 4 : 19 :: 7 : ?

- A: 52
- B: 49
- C: 28
- D: 68

15. Arid, Parched, Droughty

- A: Draft
- B: Earth
- C: Dry
- D: Cow

16. 'Metal' is related to 'Conduction' in the same way as 'Plastic' is related to:

- A: Ground oil chemistry
- B: Industry
- C: Inflammability
- D: Pollution

17. 'Flower' is related to 'Bud' in the same way as 'Fruit' is related to:

- A: Seed
- B: Tree
- C: Flower
- D: Stem

18. Paw : Cat :: Hoof : ?

- A: Lamb
- B: Elephant
- C: Lion
- D: Horse

19. Lungs, Liver, Kidney

- A: Neck
- B: Testis
- C: Heart
- D: Nose

20. Candle : Wick

- A: Hammer : Nail
- B: Light : Bulb
- C: Oven : Fire
- D: Bicycle : Wheel

PART

3

Quantitative Maths

Arithmetic I

TEST 1

1. **Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are:**

   A: 39, 30
   B: 41, 32
   C: 42, 33
   D: 43, 34

2. **The H.C.F. of two numbers is 23 and the other two factors of their L.C.M. are 13 and 14. The larger of the two numbers is:**

   A: 276
   B: 299
   C: 322
   D: 345

3. **In a certain school, 20% of students are below 8 years of age. The number of students above 8 years of age is 2/3 of the number of students of 8 years of age which is 48. What is the total number of students in the school?**

   A: 72
   B: 80
   C: 120
   D: 100

4. **A batsman scored 110 runs which included 3 boundaries and 8 sixes. What percent of his total score did he make by running between the wickets?**

   A: 45%
   B: $45\frac{5}{11}\%$
   C: $54\frac{6}{11}\%$
   D: 55%

5. **If the initial reading on a burette is 2.6 cm^3 and the final reading is 36.3 cm^3, what is Δ(volume)?**

   A: 38.9
   B: 33.7
   C: 36.3
   D: 30.7

6. **Find the lowest common multiple of 24, 36 and 40.**

   A: 120
   B: 240
   C: 360
   D: 480

7. **252 can be expressed as a product of primes as:**

   A: 2 x 2 x 3 x 3 x 7
   B: 2 x 2 x 2 x 3 x 7
   C: 3 x 3 x 3 x 3 x 7
   D: 2 x 3 x 3 x 3 x 7

8. **A clerk filed 73 forms on Monday, 85 forms on Tuesday, 54 on Wednesday, 92 on Thursday and 66 on Friday. What was the average number of forms filed per day?**

- A: 50
- B: 95
- C: 84
- D: 74

9. **The product of two numbers is 9375 and the quotient, when the larger one is divided by the smaller, is 15. The sum of the numbers is:**

- A: 380
- B: 395
- C: 400
- D: 425

10. **The least number which should be added to 2497 so that the sum is exactly divisible by 5, 6, 4 and 3 is:**

- A: 3
- B: 13
- C: 37
- D: 23

11. **If one-third of one-fourth of a number is 15, then three-tenth of that number is:**

- A: 180
- B: 36
- C: 45
- D: 54

12. **Which of the following number is divisible by 24?**

- A: 125567
- B: 213763
- C: 238967
- D: 3125832

13. **Simran started a software business by investing Rs. 50,000. After six months, Nanda joined her with a capital of Rs. 80,000. After 3 years, they earned a profit of Rs. 24,500. What was Simran's share in the profit?**

- A: Rs. 850
- B: Rs. 9,423
- C: Rs. 10,250
- D: Rs. 10,500

14. **A bag contains various coins: 50 paise, 25 paise, 20 paise and 10 paise in the ratio of 1 : 2 : 4 : 8 respectively. If the total amount in the bag is Rs.52, how many coins of 20 paise does the bag have?**

- A: 60
- B: 70
- C: 65
- D: 80

15. **The population of a town increased from 1,75,000 to 2,62,500 in a decade. The average percent increase of population per year is:**

- A: 4.37%
- B: 5%
- C: 6%
- D: 8.75%

16. A man open a book stall with a capital of Rs. 25,000. In three months his capital amounts to rupees 27,500. What is the increase percent?

- A: 1%
- B: 10%
- C: 20%
- D: 7%

17. What will be the least number which when doubled will be exactly divisible by 12, 18, 21 and 30?

- A: 196
- B: 630
- C: 1260
- D: 2520

18. Which of the following has the most number of divisors?

- A: 99
- B: 101
- C: 176
- D: 182

19. Haroon sold a table at a profit of 15%.Had be bought it at 10% less and sold it for Rs.21 loss,he would have gained 25%.Find the C.P. of the table.

- A: 800
- B: 840
- C: 420
- D: 1000

20. Find a positive number which when increased by 17 is equal to 60 times the reciprocal of the number

- A: 17
- B: 15
- C: 8
- D: 3

TEST 2

1. **The G.C.D. of 1.08, 0.36 and 0.9 is:**

   - A: 0.03
   - B: 0.9
   - C: 0.18
   - D: 0.108

2. **Rs. 720 is to be distributed among A,B and C such that 11/2 of A's share is equal to 1/3 of B's share which is equal to 1/4th of C's share. How much is the share of C?**

   - A: 320
   - B: 300
   - C: 170
   - D: 380

3. **Which of the following fraction is the largest?**

   - A: 7/8
   - B: 13/16
   - C: 31/40
   - D: 63/80

4. **A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?**

   - A: 3
   - B: 4
   - C: 5
   - D: 6

5. **Find the arithmetic mean of 25.2,13.5,18.5 and 34.8.**

   - A: 13
   - B: 23
   - C: 27
   - D: 5

6. **If** $3\frac{1}{5}c = 2\frac{1}{2}b$ **and c** $\neq$ **0 ,then** $\frac{b}{c}$ **=?**

   - A: $\frac{25}{32}$
   - B: $\frac{7}{8}$
   - C: $\frac{32}{25}$
   - D: $\frac{11}{10}$

7. **The population of 8 villages is 900, 750, 1100, 1050, 835, 1250, 555 and 630. Find the population of Ninth village if the average population of Nine villages is 900.**

   - A: 1200
   - B: 1050
   - C: 1030
   - D: 7070

8. **The average height of a class of 14 boys is 5.3 feet. A new boy admitted to the class, the new average of height now becomes 5.25. What is the height of the new boy?**

   - A: 4.55
   - B: 5.05
   - C: 6.00
   - D: 3.58

9. What is the largest 4 digit number exactly divisible by 88?

- A: 9944
- B: 9999
- C: 9988
- D: 9900

10. If the number 5*2 is divisible by 6, then * = ?

- A: 2
- B: 7
- C: 3
- D: 6

11. How many integers between 28 and 98 are exactly divisible by 7?

- A: 9
- B: 11
- C: 12
- D: 8

12. In an election between two candidates, one go 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was:

- A: 2700
- B: 2900
- C: 3000
- D: 3100

13. Usman bought a computer at 3/5 of the selling price and sold it at 10% more than its selling price. Find his profit or loss percent?

- A: $\frac{100}{3}$
- B: $\frac{200}{3}$
- C: $\frac{250}{3}$
- D: $\frac{201}{3}$

14. The H.C.F. of two numbers is 11 and their L.C.M. is 7700. If one of the numbers is 275, then the other is:

- A: 279
- B: 283
- C: 308
- D: 180

15. If selling price is doubled, the profit triples. Find the profit percent?

- A: 100
- B: 120
- C: $66\frac{2}{3}$
- D: $105\frac{1}{3}$

16. **Calculate (without using a calculator) the value of *y* in the following equation: *y* = 15 + 5 x 6 - 3**

- A: 60
- B: 117
- C: 30
- D: 42

17. The least multiple of 7, which leaves a remainder of 4, when divided by 6, 9, 15 and 18 is:

- A: 74
- B: 94
- C: 184
- D: 364

18. The greatest possible length which can be used to measure exactly the lengths 7 m, 3 m 85 cm, 12 m 95 cm is:

- A: 15 cm
- B: 25 cm
- C: 35 cm
- D: 42 cm

19. Three number are in the ratio of 3 : 4 : 5 and their L.C.M. is 2400. Their H.C.F. is:

- A: 40
- B: 80
- C: 120
- D: 200

20. The diagonal of a rectangle is $\sqrt{41}$ cm and its area is 20 sq.cm. The perimeter of the rectangle must be.

- A: 18
- B: 28
- C: 38
- D: 48

TEST 3

1. **The smallest number which when diminished by 7, is divisible 12, 16, 18, 21 and 28 is:**

   A: 1008
   B: 1015
   C: 1022
   D: 1032

2. **The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is .**

   A: 15
   B: 16
   C: 18
   D: 25

3. **One-sixth of a day is what part of the time betwwen 3 p.m. Monday and 3 p.m. Thursday of the same week?**

   A: $\frac{1}{10}$
   B: $\frac{1}{18}$
   C: $\frac{1}{15}$
   D: $\frac{1}{12}$

4. **Mr.Kashif got an average of 50 in 60 tests. What should he get in the next test to attain the average of 60?**

   A: 120
   B: 60
   C: 100
   D: 70

5. **A man spent 10% of his money. After spending 60% of the remainder he has Rs.72 left. How much had he in the start?**

   A: 10
   B: 100
   C: 200
   D: 400

6. **Find the greatest number that will divide 43, 91 and 183 so as to leave the same remainder in each case.**

   A: 4
   B: 7
   C: 9
   D: 13

7. **Some articles were bought at 6 articles for Rs. 5 and sold at 5 articles for Rs. 6. Gain percent is:**

   A: 30%
   B: 35%
   C: 44%
   D: $33\frac{1}{3}\%$

8. Which of the following is the sum of two consecutive prime numbers?

A: 63
B: 52
C: 41
D: 29

9. If (p-3)(p+5)>(p-3)(p+8), what is the best description of p?

A: p = 3
B: -8 < p < -5
C: p = 0
D: p < 3

10. What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digit?

A: 1
B: 14
C: 20
D: 21

11. If $(2^{32} + 1)$ is completely divisible by a whole number , which of the following numbers is completely divisible by this number?

A: $(2^{96} + 1)$
B: (7×2^{23})
C: $(2^{16} - 1)$
D: $(2^{16} + 1)$

12. Two different natural numbers are such that their products is less than their sum. One of the number must be?

A: 1
B: 2
C: 3
D: 4

13. The percentage profit earned by selling an article for Rs. 1920 is equal to the percentage loss incurred by selling the same article for Rs. 1280. At what price should the article be sold to make 25% profit?

A: Rs. 2000
B: Rs. 2200
C: Rs. 2400
D: Data inadequate

14. 100 oranges are bought at the rate of Rs. 350 and sold at the rate of Rs. 48 per dozen. The percentage of profit or loss is:

A: 15% gain
B: 15 % loss
C: $14\frac{2}{7}$% gain
D: 12% Loss

15. What is the unit digit in $(6324)^{1797} \times (615)^{316} \times (341)^{476}$?

A: 1
B: 2
C: 4
D: 0

16. Three numbers which are co-prime to each other are such that the product of the first two is 551 and that of the last two is 1073. The sum of the three numbers is:

- A: 75
- B: 81
- C: 85
- D: 89

17. The product of two numbers is 2028 and their H.C.F. is 13. The number of such pairs is

- A: 1
- B: 2
- C: 3
- D: 4

18. Three times the first of three consecutive odd integers is 3 more than twice the third. The third integer is

- A: 9
- B: 11
- C: 13
- D: 15

19. If the radius of a circle is increased by 20% then the area is increased by ?

- A: 44%
- B: 120%
- C: 144%
- D: 40%

20. If you have 50 green, 50 yellow and 50 orange jelly beans,how many bags can you fill of each bag containing 2 green,3 orange and 4 yellow jelly beans?

- A: 12
- B: 13
- C: 16
- D: 17

TEST 4

1. **The cost price of 20 articles is the same as the selling price of *x* articles. If the profit is 25%, then the value of *x* is:**

   A: 15 B: 16
   C: 18 D: 25

2. **The annual decrease in the population of city was 10% and the present number of inhabitant is1620. What was the population 2 years hence?**

   A: 20 B: 400
   C: 2000 D: 1000

3. **Rajeev buys good worth Rs. 6650. He gets a rebate of 6% on it. After getting the rebate, he pays sales tax @ 10%. Find the amount he will have to pay for the goods.**

   A: Rs. 6876.10 B: Rs. 6999.20
   C: Rs. 6654 D: Rs. 7000

4. **A, B and C start at the same time in the same direction to run around a circular stadium. A completes a round in 252 seconds, B in 308 seconds and c in 198 seconds, all starting at the same point. After what time will they again at the starting point ?**

   A: 26 minutes and 18 seconds B: 42 minutes and 36 seconds
   C: 45 mins D: 46 minutes and 12 seconds

5. **What approximate value will come in place of the question mark (?) in the following question?(You are not expected to calculate the exact value)**

   441.01 - 232.99 + 1649.99 = ? + 1225.92

   A: 660 B: 720
   C: 630 D: 600

6. **If 20% of *a* = *b*, then *b*% of 20 is the same as:**

   A: 4% of a B: 5% of a
   C: 20% of a D: None of these

7. **A and B started a business in partnership investing Rs. 20,000 and Rs. 15,000 respectively. After six months, C joined them with Rs. 20,000. What will be B's share in total profit of Rs. 25,000 earned at the end of 2 years from the starting of the business?**

   A: Rs. 7500 B: Rs. 9000
   C: Rs. 9500 D: Rs. 10,000

8. **The least number which when divided by 5, 6 , 7 and 8 leaves a remainder 3, but when divided by 9 leaves no remainder, is:**

- A: 1677
- B: 1683
- C: 2523
- D: 3363

9. **Calculate the value of *y* in the following equation: $y= ((8-5)*3)^{1/2}+4*7$**

- A: 31
- B: 49
- C: $(37)^{1/2}$
- D: $49(3)^{1/2}$

10. **Iman started a business investing Rs. 70,000. Rabia joined him after six months with an amount of Rs. 105,000 and Sohail joined them with Rs. 1.4 lakhs after another six months. The amount of profit earned should be distributed in what ratio among Iman, Rabia and Sohail respectively, 3 years after Iman started the business?**

- A: 7 : 6 : 10
- B: 12 : 15 : 16
- C: 42 : 45 : 56
- D: Cannot be determined

11. **t is an integer greater than 5. The expression that must represent an odd integer is ?**

- A: t(t+1)
- B: 3t - 1
- C: t^2
- D: 2t - 3

12. **The average of x,y,z and 40 is 10. What is the averageof x,y,z.**

- A: 10
- B: 0
- C: 2
- D: 15

13. **In a certain store, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?**

- A: 30%
- B: 70%
- C: 100%
- D: 250%

14. **Three candidates contested an election and received 1136, 7636 and 11628 votes respectively. What percentage of the total votes did the winning candidate get?**

- A: 57
- B: 60
- C: 65
- D: 90

15. **Ali, Kamal and Rehman invested Rs. 8000, Rs 4000 and Rs. 8000 respectively in a business. Ali left after six months. If after eight months, there was a gain of Rs. 4005, then what will be the share of Kamal?**

- A: Rs. 890
- B: Rs. 1335
- C: Rs. 1602
- D: Rs. 1780

16. Gauri went to the stationers and bought things worth Rs. 25, out of which 30 paise went on sales tax on taxable purchases. If the tax rate was 6%, then what was the cost of the tax free items?

- A: Rs. 15
- B: Rs. 15.70
- C: Rs. 19.70
- D: Rs. 20

17. If (36)(x)(7)= 21, then x equals?

- A: $\frac{21}{43}$
- B: $\frac{1}{42}$
- C: $\frac{1}{12}$
- D: $\frac{1}{11}$

18. A shopkeeper sells one transistor for Rs. 840 at a gain of 20% and another for Rs. 960 at a loss of 4%. His total gain or loss percent is:

- A: $5\frac{15}{17}\%$ gain
- B: $5\frac{15}{17}\%$ loss
- C: $6\frac{2}{3}\%$ gain
- D: None of These

19. Six bells commence tolling together and toll at intervals of 2, 4, 6, 8 10 and 12 seconds respectively. In 30 minutes, how many times do they toll together?

- A: 4
- B: 10
- C: 15
- D: 16

20. Waqas buys an old scooter for Rs. 4700 and spends Rs. 800 on its repairs. If he sells the scooter for Rs. 5800, his gain percent is:

- A: 10%
- B: 12%
- C: $4\frac{4}{7}\%$
- D: $5\frac{5}{11}\%$

Arithmetic II

TEST 1

1. **A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, the how old is B?**

   - A: 7
   - B: 8
   - C: 9
   - D: 10

2. **A and B invest in a business in the ratio 3 : 2. If 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is:**

   - A: Rs. 1425
   - B: Rs. 1500
   - C: Rs. 1537.50
   - D: Rs. 1576

3. **If Rs. 782 be divided into three parts, proportional to 1/2 : 2/3 : 3/4 then the first part is:**

   - A: Rs. 182
   - B: Rs. 190
   - C: Rs. 196
   - D: Rs. 204

4. **In a camp, there is a meal for 120 men or 200 children. If 150 children have taken the meal, how many men will be catered to with remaining meal?**

   - A: 20
   - B: 30
   - C: 40
   - D: 50

5. **If a man's weekly salary is $X and he saves $Y, what part of his weekly salary does he spend?**

   - A: $\frac{x}{y}$
   - B: $\frac{x-y}{x}$
   - C: $\frac{x-y}{y}$
   - D: x - y

6. **3 pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day?**

   - A: 9
   - B: 10
   - C: 11
   - D: 12

7. **In covering a distance of 30 km, Abhay takes 2 hours more than Sameer. If Abhay doubles his speed, then he would take 1 hour less than Sameer. Abhay's speed is:**

   - A: 5 kmph
   - B: 6 kmph
   - C: 6.25 kmph
   - D: 7.5 kmph

8. Each of the questions given below consists of a question followed by statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question.

Question:
A shopkeeper sells some toys at Rs. 250 each. What percent profit does he make? To find the answer, which of the following information given in Statements I and II is/are necessary?
Statements:

Number of toys sold.

Cost price of each toy.

- A: Only 1 is necessary
- B: Only 2 is necessary
- C: Both 1 and 2 are necessary
- D: Either 1 or 2 is necessary

9. A motion was passed by a vote of 5 : 3. What part of the votes cast was is favor of the motion?

- A: $\frac{3}{5}$
- B: $\frac{5}{8}$
- C: $\frac{3}{8}$
- D: $\frac{5}{3}$

10. A and B started a partnership business investing some amount in the ratio of 3 : 5. C joined then after six months with an amount equal to that of B. In what proportion should the profit at the end of one year be distributed among A, B and C?

- A: 3 : 5 : 2
- B: 3 : 5 : 5
- C: 6 : 10 : 5
- D: Data inadequate

11. Present ages of Sameer and Anand are in the ratio of 5 : 4 respectively. Three years hence, the ratio of their ages will become 11 : 9 respectively. What is Anand's present age in years?

- A: 25
- B: 24
- C: 40
- D: Cannot be determined

12. The ratio between the speeds of two trains is 7 : 8. If the second train runs 400 km in 4 hours, then the speed of the first train is:

- A: 70 km/hr
- B: 75 km/hr
- C: 84 km/hr
- D: 87.5 km/hr

13. At present, the ratio between the ages of Usman and Arsal is 4: 3. After 6 years, Usman's age will be 26 years. What is the age of Arsal at present?

- A: 12 years
- B: 15 years
- C: 19 and half years
- D: 21 years

14. A man is 24 years older than his son. In two years, his age will be twice the age of his son. The present age of his son is:

- A: 14 years
- B: 18 years
- C: 20 years
- D: 22 years

A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?

- A: 3.6
- B: 7.2
- C: 8.4
- D: 10

15. If 0.75 : *x* :: 5 : 8, then *x* is equal to:

- A: 1.12
- B: 1.2
- C: 1.25
- D: 1.30

16. The present ages of three persons in proportions 4 : 7 : 9. Eight years ago, the sum of their ages was 56. Find their present ages (in years).

- A:8, 20, 28
- B:16, 28, 36
- C:20, 35, 45
- D: None of the above

17. A, B and C enter into a partnership in the ratio 7/2 : 4/3 : 6/5. After 4 months, A increases his share 50%. If the total profit at the end of one year be Rs. 21,600, then B's share in the profit is:

- A: Rs. 2100
- B: Rs. 2400
- C: Rs. 3600
- D: Rs. 4000

18. What part of an hour elapses between 10 : 45 a.m. and 11 : 09 a.m. ?

- A: $\frac{2}{5}$
- B: $\frac{3}{5}$
- C: $\frac{11}{12}$
- D: 2

19. The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?

- A: 4 years
- B: 8 year
- C: 10 years
- D: None of these

TEST 2

1. **Each of these questions is followed by three statements. You have to study the question and all the three statements given to decide whether any information provided in the statement(s) is redundant and can be dispensed with while answering the given question.**

   What will be the ratio between ages of Sam and Albert after 5 years?

   I. Sam's present age is more than Albert's present age by 4 years.

   II. Albert's present age is 20 years.

   III. The ratio of Albert's present age to Sam's present age is 5 : 6.

   A: Any two of I, II and III
   B: II only
   C: III only
   D: I or III only

2. **$(1000)^9 \div 10^{24} = ?$**

   A: 10000
   B: 1000
   C: 100
   D: 10

3. **If the ratio of x : y is 9 : 7 , then x + y is**

   A: 16
   B: 2
   C: 1
   D: 3

4. **A man complete a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km.**

   A: 220 km
   B: 224 km
   C: 230 km
   D: 234 km

5. **A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days?**

   A: $\frac{576}{60x}$
   B: $\frac{576}{x}$
   C: $\frac{24}{x}$
   D: $\frac{576}{5x}$

6. **A starts business with Rs. 3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is B's contribution in the capital?**

   A: Rs. 7500
   B: Rs. 8000
   C: Rs. 8500
   D: Rs. 9000

7. Two number are in the ratio 3 : 5. If 9 is subtracted from each, the new numbers are in the ratio 12 : 23. The smaller number is:

- A: 27
- B: 33
- C: 49
- D: 55

8. 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work?

- A: 10
- B: 14
- C: 13
- D: 15

9. If apples cost 3 for 37 cents, find the cost of $1\frac{3}{4}$ dozen apples.

- A: 111 cents
- B: 159 cents
- C: 259 cents
- D: 211 cents

10. If 7 spiders make 7 webs in 7 days, then 1 spider will make 1 web in how many days?

- A: 1
- B: 7/2
- C: 7
- D: 49

11. A man travels for 4 hours 20min. If he covers the first half of the journey 45 kmph and the rest at 30kmph. Find the total distance travelled by him?

- A: 156
- B: 360
- C: 312
- D: 78

12. Suppose x varies inversely as square of y and when y = 3 and x = 9.Find x when y = 9.

- A: 5
- B: 3
- C: 1
- D: 8

13. Each of these questions is followed by two statements. You have to study the question and all the two statements given to decide whether any information provided in the statement(s) is redundant and can be dispensed with while answering the given question.

Anmol is twice as old as Aksa. What is the difference in their ages?

I. Five years hence, the ratio of their ages would be 9 : 5.

II. Ten years back, the ratio of their ages was 3 : 1.

- A: Either I or II alone sufficient to answer
- B: Both I and II are not sufficient to answer
- C: Both I and II are necessary to answer
- D: I alone sufficient while II alone not sufficient to answer

14. Each of these questions is followed by three statements. You have to study the question and all the three statements given to decide whether any information provided in the statement(s) is redundant and can be dispensed with while answering the given question.

What is the difference between the present ages of Ali and Aslam?

I. The ratio between Ali's present age and his age after 8 years 4: 5.

II. The ratio between the present ages of Ali and Aslam is 4: 3.

III. The ratio between Aslam's present age and his age four years ago is 6: 5.

- A: Any two of I, II and III
- B: Any one of the three
- C: All I, II and III are required
- D: Even with all I, II and III, the answer cannot be obtained.

15. Find the ratio of 18 inches to 2 yards.

- A: $\frac{3}{4}$
- B: $\frac{1}{4}$
- C: $\frac{1}{5}$
- D: $\frac{2}{5}$

16. Ayesha's father was 38 years of age when she was born while her mother was 36 years old when her brother four years younger to her was born. What is the difference between the ages of her parents?

- A: 2 years
- B: 4 years
- C: 6 years
- D: 8 years

17. If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number?

- A: 5 : 3
- B: 3 : 7
- C: 2 : 5
- D: 7 : 3

18. A boat takes 6 hrs to go upstream but returns in just two hrs through the same distsnce. If the speed of the current is 2 kmph , what would be the speed of the boat?

- A: 4
- B: 3
- C: 5
- D: 6

19. The sum of the present ages of a father and his son is 60 years. Six years ago, father's age was five times the age of the son. After 6 years, son's age will be:

- A: 12 years
- B: 14 years
- C: 18 years
- D: 20 years

20. 4 mat-weavers can weave 4 mats in 4 days. At the same rate, how many mats would be woven by 8 mat-weavers in 8 days?

- A: 4
- B: 8
- C: 12
- D: 16

TEST 3

1. **A person's present age is two-fifth of the age of his mother. After 8 years, he will be one-half of the age of his mother. How old is the mother at present?**

   A: 32 years
   B: 36 years
   C: 40 years
   D: 48 years

2. **A and B entered into partnership with capitals in the ratio 4:5. After 3 months, A withdrew 1/4 of his capital and B withdrew 1/5 of his capital. The gain at the end of 10 months was Rs. 760. A's share in this profit is:**

   A: Rs. 330
   B: Rs. 360
   C: Rs. 380
   D: Rs. 430

3. **If 7 apples cost y cents, how many apples will x dollars buy?**

   A: $\frac{x}{7y}$
   B: $\frac{7x}{y}$
   C: $\frac{7x}{100y}$
   D: $\frac{700x}{y}$

4. **Three partners shared the profit in a business in the ratio 5 : 7 : 8. They had partnered for 14 months, 8 months and 7 months respectively. What was the ratio of their investments?**

   A: 5 : 7 : 8
   B: 20 : 49 : 64
   C: 38 : 28 : 21
   D: None of the above

5. **The ratio of the number of boys and girls in a college is 7 : 8. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio?**

   A: 8 : 9
   B: 21 : 22
   C: 17 : 18
   D: Cannot be determined

6. **An aero-plane covers a certain distance at a speed of 240 Kmph in 5 hours. To cover the same distance in 2/13 hours, it must travel at a speed of:**

   A: 300 kmph
   B: 360 kmph
   C: 600 kmph
   D: 720 kmph

7. **Each of the questions given below consists of a question followed by three statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question.**

   What is Ravi's present age?

   I. The present age of Ravi is half of that of his father.
   II. After 5 years, the ratio of Ravi's age to that of his father's age will be 6 : 11.
   III. Ravi is 5 years younger than his brother.

   A: I and II only
   B: II and III only
   C: I and III only
   D: All I, II and III

8. **A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is B's share?**

- A: Rs. 500
- B: Rs. 1500
- C: Rs. 2000
- D: None of these

9. **In a mixture 60 litres, the ratio of milk and water 2 : 1. If this ratio is to be 1 : 2, then the quanity of water to be further added is:**

- A: 20 litres
- B: 30 litres
- C: 40 litres
- D: 60 litres

10. **10 men can complete a work in 18 days. After 6 days 5 more men joined. In how manydays the remaining work would be completed?**

- A: 8
- B: 6
- C: 2
- D: 15

11. **A man completes 5/8 of a job in 10 days. At this rate, how many more days will it takes him to finish the job?**

- A: 5
- B: 6
- C: 7
- D: 9

12. **If it takes 10 minutes to walk 3/7 miles , how many minutes will it take to walk the rest of mile?**

- A: $2\frac{1}{3}$
- B: $13\frac{1}{3}$
- C: $4\frac{2}{7}$
- D: 30

13. **Each of the questions given below consists of a statement and / or a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statement(s) is / are sufficient to answer the given question.**

Question:

A man mixes two types of rice (X and Y) and sells the mixture at the rate of Rs. 17 per kg. Find his profit percentage.

Statement:

I. The rate of X is Rs. 20 per kg

II. The rate of Y is Rs. 13 per kg.

- A: I alone sufficient while II alone not sufficient to answer
- B: Either I or II alone sufficient to answer
- C: II alone sufficient while I alone not sufficient to answer
- D: Both I and II are not sufficient to answer

14. Q is as much younger than R as he is older than T. If the sum of the ages of R and T is 50 years, what is definitely the difference between R and Q's age?

- A: 1 year
- B: 2 years
- C: 25 years
- D: Data inadequate

15. A candy recipe calls for 5 part milk, 4 part cocoa, 4 parts syrup, 2 parts sugar and 1 part butter. If you use 8 ounces of milk, how many ounces of candy mixture can you make?

- A: $25\frac{3}{5}$
- B: $5\frac{3}{5}$
- C: 20
- D: 128

16. Excluding stoppages, the speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?

- A: 9
- B: 10
- C: 12
- D: 20

17. If a train travels $\frac{5}{6}$ miles in $1\frac{1}{4}$ minutes,how many miles will it travel in 1 hour ?

- A: 20 miles
- B: 50 miles
- C: 40 miles
- D: 30 miles

18. A wheel that has 6 cogs is meshed with a larger wheel of 14 cogs. When the smaller wheel has made 21 revolutions, then the number of revolutions mad by the larger wheel is:

- A: 4
- B: 9
- C: 12
- D: 49

19. A man covered a certain distance at some speed. Had he moved 3 kmph faster, he would have taken 40 minutes less. If he had moved 2 kmph slower, he would have taken 40 minutes more. The distance (in km) is:

- A: 20
- B: 35
- C: 40
- D: 60

20. Akthar is younger than Ali by 7 years. If their ages are in the respective ratio of 7: 9, how old is Akthar?

- A: 16 years
- B: 18 years
- C: 28 years
- D: 24.5 years

TEST 4

1. **Salaries of Rana and Suny are in the ratio 2 : 3. If the salary of each is increased by Rs. 4000, the new ratio becomes 40 : 57. What is Suny's salary?**

   A: Rs. 17,000
   B: Rs. 20,000
   C: Rs. 38,000
   D: Rs. 25,500

2. **The salaries A, B, C are in the ratio 2 : 3 : 5. If the increments of 15%, 10% and 20% are allowed respectively in their salaries, then what will be new ratio of their salaries?**

   A: 3 : 3 : 10
   B: 10 : 11 : 20
   C: 15 : 10 : 20
   D: 23 : 33 : 60

3. **A does half as much work as B in three-fourth of the time. If together they take 21 days to complete the work , how much time shall B take to do it?**

   A: 20
   B: 25
   C: 30
   D: 35

4. **Each of the questions given below consists of a question followed by three statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question.**

   1. What is Abid's present age?
      I. Five years ago, Abid's age was double that of his son's age at that time.
      II. Present ages of Abid and his son are in the ratio of 11: 6 respectively.
      III. Five years hence, the respective ratio of Abid's age and his son's age will become 12: 7.

   A: Only I and II
   B: Only II and III
   C: Only I and III
   D: Any two of the three

5. **The fourth proportional to 5, 8, 15 is:**

   A: 18
   B: 24
   C: 19
   D: 20

6. **David receives his allowance on Sunday. He spends $\frac{1}{4}$ of his allowance on Monday and $\frac{2}{3}$ of the remainder on Tuesday . What Part of his allowance is left for the rest of the week ?**

   A: $\frac{2}{3}$
   B: $\frac{4}{5}$
   C: $\frac{6}{7}$
   D: $\frac{1}{4}$

7. **A farmer travelled a distance of 61 km in 9 hours. He travelled partly on foot @ 4 km/hr and partly on bicycle @ 9 km/hr. The distance travelled on foot is:**

A: 14 km
B: 15 km
C: 16 km
D: 17 km

8. **The age of father 10 years ago was thrice the age of his son. Ten years hence, father's age will be twice that of his son. The ratio of their present ages is:**

A: 5 : 2
B: 7 : 3
C: 9 : 2
D: 13 : 4

9. If 60% of $\frac{3}{5}$ of a number is 36, then the number is:

A: 80
B: 100
C: 75
D: 90

10. **One half of the employees of Al Karim Co. earn salaries above Rs.18,000 monthly. One third of the remainder earn salaries between Rs. 15,000 and Rs. 18,000. What part of the staff earns below Rs. 15,000 ?**

A: $\frac{2}{3}$
B: $\frac{1}{3}$
C: $\frac{2}{5}$
D: $\frac{3}{5}$

11. **If train runs at 30 kmph, it reaches its destination late by 10 min but if it runs 40kmph it late by 4 min. The correct time of the train to complete its journey is?**

A: 10
B: 13
C: 14
D: 16

12. **Six years ago, the ratio of the ages of Kunal and Sagar was 6 : 5. Four years hence, the ratio of their ages will be 11 : 10. What is Sagar's age at present?**

A: 16 years
B: 18 years
C: 20 years
D: Cannot be determined

13. **Each of the questions given below consists of a question followed by statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question.**

Question:

A shopkeeper sells some articles at the profit of 25% on the original price. What is the exact amount of profit? To find the answer, which of the following information given in Statements I and II is/are necessary?

Statement:

1. Sale price of the article
2. Number of articles sold

A: Only 1 is necessary
B: Only 2 is necessary
C: Either 1 or 2 is necessary
D: Both 1 and 2 are necessary

14. A man on tour travels first 160 km at 64 km/hr and the next 160 km at 80 km/hr. The average speed for the first 320 km of the tour is:

- A: 35.55 km/hr
- B: 36 km/hr
- C: 71.11 km/hr
- D: 91 km/hr

15. A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:

- A: 14 years
- B: 19 years
- C: 33 years
- D: 38 years

16. In a flight of 600 km, an aircraft was slowed down due to bad weather. Its average speed for the trip was reduced by 200 km/hr and the time of flight increased by 30 minutes. The duration of the flight is:

- A: 1 hour
- B: 2 hour
- C: 3 hours
- D: 4 hours

17. If a pipe can fill a tank in 2 hours and another pipe can fill the same tank in 40 minutes.How much time in minutes is needed to fill the tank if both the pipes are working together?

- A: 90
- B: 80
- C: 60
- D: 30

18. A motion was passed by a vote of 5 : 3. What part of the votes cast was is favor of the motion?

- A: $\frac{3}{5}$
- B: $\frac{5}{8}$
- C: $\frac{3}{8}$
- D: $\frac{5}{3}$

19. A man can row 3 kmph in still water . If the river is running at 0.5 kmph it takes him one hour to row a place and back. How far is the place?

- A: 1.4
- B: 1.47
- C: 1.46
- D: 1.458

20. When +4 is added to –6, the sum is

- A: +2
- B: -2
- C: -10
- D: 10

Arithmetic III

TEST 1

1. **A sum of money amounts to Rs. 9800 after 5 years and Rs. 12005 after 8 years at the same rate of simple interest. The rate of interest per annum is:**

   A: 5%
   B: 8%
   C: 12%
   D: 15%

2. **If 1400 x *x* = 1050. Then, *x* = ?**

   A: ¼
   B: 3/5
   C: 2/3
   D: 3/4

3. **3 + 33 + 333 + 3.33 = ?**

   A: 362.3
   B: 372.33
   C: 702.33
   D: 702

4. **Which one of the following is a prime number ?**

   A: 161
   B: 221
   C: 373
   D: 437

5. **(800 ÷ 64) x (1296 ÷36) = ?**

   A: 420
   B: 460
   C: 500
   D: 450

6. **The average weight of 8 person's increases by 2.5 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of the new person?**

   A: 76 kg
   B: 76.5 kg
   C: 85 kg
   D: Data inadequate

7. **$(12)^3$ x 6^4 ÷ 432 = ?**

   A: 5184
   B: 5060
   C: 5148
   D: 5084

8. **(35423 + 7164 + 41720) - (317 x 89) = ?**

   A: 28213
   B: 84307
   C: 50694
   D: 56094

9. **On multiplying a number by 7, the product is a number each of whose digits is 3. The smallest such number is:**

A: 47619
B: 47719
C: 48619
D: 47649

10. **Free notebooks were distributed equally among children of a class. The number of notebooks each child got was one-eighth of the number of children. Had the number of children been half, each child would have got 16 notebooks. Total how many notebooks were distributed ?**

A: 256
B: 512
C: 600
D: 640

11. **On dividing a number by 357, we get 39 as remainder. On dividing the same number 17, what will be the remainder ?**

A: 0
B: 3
C: 5
D: 11

12. **A man has Rs. 480 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. What is the total number of notes that he has ?**

A: 45
B: 60
C: 75
D: 90

13. **The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 kg. Find the average weights of all the boys in the class.**

A: 47.55 kg
B: 48 kg
C: 48.55 kg
D: 49.25 kg

14. **What least number must be added to 1056, so that the sum is completely divisible by 23 ?**

A: 2
B: 3
C: 18
D: 21

15. **Which of the following is a prime number ?**

A: 33
B: 81
C: 93
D: 97

16. 3897 x 999 = ?

- A: 3883203
- B: 3893103
- C: 3639403
- D: 3791203

17. Which one of the following is not a prime number?

- A: 31
- B: 61
- C: 71
- D: 91

18. A number consists of 3 digits whose sum is 10. The middle digit is equal to the sum of the other two and the number will be increased by 99 if its digits are reversed. The number is:

- A: 145
- B: 253
- C: 370
- D: 352

19. 8988 ÷ 8 ÷ 4 = ?

- A: 4494
- B: 561.75
- C: 2247
- D: 280.875

20. 1904 x 1904 = ?

- A: 3654316
- B: 3632646
- C: 3625216
- D: 3623436

TEST 2

1. **The largest 4 digit number exactly divisible by 88 is:**
   - A: 9944
   - B: 9768
   - C: 9988
   - D: 8888

2. **A sum of Rs. 12,500 amounts to Rs. 15,500 in 4 years at the rate of simple interest. What is the rate of interest?**
   - A: 3%
   - B: 4%
   - C: 5%
   - D: 6%

3. **What is the unit digit in 7^{105} ?**
   - A: 1
   - B: 5
   - C: 7
   - D: 9

4. **Which of the following numbers is divisible by each one of 3, 7, 9 and 11 ?**
   - A: 639
   - B: 2079
   - C: 3791
   - D: 37911

5. **The unit digit in the product (784 x 618 x 917 x 463) is:**
   - A: 2
   - B: 3
   - C: 4
   - D: 5

6. **When 0.36 is written in simplest form,the sum of the numerator and the denominator is .**
   - A: 15
   - B: 34
   - C: 64
   - D: 13

7. **72519 x 9999 = ?**
   - A: 725117481
   - B: 674217481
   - C: 685126481
   - D: 696217481

8. **397 x 397 + 104 x 104 + 2 x 397 x 104 = ?**
   - A: 250001
   - B: 251001
   - C: 260101
   - D: 261001

9. **What is the unit digit in $(4137)^{754}$?**
   - A: 1
   - B: 3
   - C: 7
   - D: 9

10. **12345679 x 72 = ?**
    - A: 88888888
    - B: 888888888
    - C: 898989898
    - D: 9999999998

11. **How many prime numbers are less than 50 ?**

A: 16 B: 15

C: 14 D: 18

12. **A sum of Rs. 1360 has been divided among A, B and C such that A gets 2/3 of what B gets and B gets 1/4 of what C gets. B's share is:**

A: Rs. 120 B: Rs. 300

C: Rs 160 D: Rs 240

13. **8597 - ? = 7429 – 4358**

A: 5426 B: 5706

C: 5526 D: 5476

14. **A man took loan from a bank at the rate of 12% p.a. simple interest. After 3 years he had to pay Rs. 5400 interest only for the period. The principal amount borrowed by him was:**

A: Rs. 2000 B: Rs. 10,000

C: Rs. 15,000 D: Rs. 20,000

15. **Which one of the following can't be the square of natural number ?**

A: 30976 B: 75625

C: 28561 D: 143642

16. **Which of the following number is divisible by 24 ?**

A: 35718 B: 63810

C: 537804 D: 3125736

17. **Reena took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If she paid Rs. 432 as interest at the end of the loan period, what was the rate of interest?**

A: 3.6 B: 6

C: 18 D: Cannot be determined

18. **In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?**

A: 6.25 B: 6.5

C: 6.75 D: 7

19. **A family consists of two grandparents, two parents and three grandchildren. The average age of the grandparents is 67 years, that of the parents is 35 years and that of the grandchildren is 6 years. What is the average age of the family?**

A: $28\frac{4}{7}$ years B: $31\frac{5}{7}$ years

C: $32\frac{1}{7}$ years D: None of these

20. **A number when divided by 296 leaves 75 as remainder. When the same number is divided by 37, the remainder will be:**

A: 1 B: 2

C: 8 D: 11

TEST 3

1. **If n is a natural number, then $(6n^2 + 6n)$ is always divisible by:**

   A: 6 only
   B: 6 and 12 both
   C: 12 only
   D: by 18 only

2. **A fires 5 shots to B's 3 but A kills only once in 3 shots while B kills once in 2 shots. When B has missed 27 times, A has killed**

   A: 30 birds
   B: 60 birds
   C: 72 birds
   D: 90 birds

3. **Mr. Thomas invested an amount of Rs. 13,900 divided in two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years be Rs. 3508, what was the amount invested in Scheme B?**

   A: Rs. 6400
   B: Rs. 6500
   C: Rs. 7200
   D: Rs. 7500

4. **The average of 20 numbers is zero. Of them, at the most, how many may be greater than zero?**

   A: 0
   B: 1
   C: 10
   D: 19

5. **Which one of the following numbers is completely divisible by 45?**

   A: 181560
   B: 331145
   C: 202860
   D: 2033555

6. **Which of the following numbers will completely divide $(49^{15} - 1)$?**

   A: 8
   B: 14
   C: 46
   D: 50

7. **What will be the ratio of simple interest earned by certain amount at the same rate of interest for 6 years and that for 9 years?**

   A: 1 : 3
   B: 1 : 4
   C: 2 : 3
   D: Data inadequate

8. **A car owner buys petrol at Rs.7.50, Rs. 8 and Rs. 8.50 per litre for three successive years. What approximately is the average cost per litre of petrol if he spends Rs. 4000 each year?**

   A: Rs. 7.98
   B: Rs. 8
   C: Rs. 8.50
   D: Rs. 9

9. The smallest 5 digit number exactly divisible by 41 is:

- A: 10041
- B: 10004
- C: 10045
- D: 10025

10. Which natural number is nearest to 8485, which is completely divisible by 75 ?

- A: 8475
- B: 8500
- C: 8550
- D: 8525

11. A sum of money doubles in 8 years. In how many years, it will triple at simple interest?

- A: 4
- B: 8
- C: 12
- D: 16

12. When a number is divided by 13, the remainder is 11. When the same number is divided by 17, then remainder is 9. What is the number ?

- A: 339
- B: 349
- C: 369
- D: None of these

13. The differerence between the Simple Interest and Compound Interest on a certain sum for 2 years at 15% Interest is Rs.90. Find the principal.

- A: 300
- B: 3500
- C: 400
- D: 2500

14. The difference of the squares of two consecutive odd integers is divisible by which of the following integers ?

- A: 3
- B: 6
- C: 7
- D: 8

15. Which one of the following is a prime number ?

- A: 119
- B: 187
- C: 247
- D: None of these

16. The difference of the squares of two consecutive even integers is divisible by which of the following integers ?

- A: 3
- B: 4
- C: 6
- D: 7

17. *n* is a whole number which when divided by 4 gives 3 as remainder. What will be the remainder when 2*n* is divided by 4 ?

- A: 3
- B: 2
- C: 1
- D: 0

18. The sum of first 45 natural numbers is:

- A: 1035
- B: 1280
- C: 2070
- D: 2140

19. An automobile financier claims to be lending money at simple interest, but he includes the interest every six months for calculating the principal. If he is charging an interest of 10%, the effective rate of interest becomes:

- A: 10%
- B: 10.25%
- C: 10.5%
- D: None of these

20. $(11^2 + 12^2 + 13^2 + ... + 20^2)$ = ?

- A: 385
- B: 2485
- C: 2870
- D: 3255

TEST 4

1. **Eight people are planning to share equally the cost of a rental car. If one person withdraws from the arrangement and the others share equally the entire cost of the car, then the share of each of the remaining persons increased by:**

   A: 1/7 B: 1/8

   C: 1/9 D: 7/8

2. **If the number 481 * 673 is completely divisible by 9, then the smallest whole number in place of * will be:**

   A: 2 B: 5

   C: 6 D: 7

3. **7589 - ? = 3434**

   A: 4242 B: 4155

   C: 1123 D: 11023

4. **(?) + 3699 + 1985 - 2047 = 31111**

   A: 34748 B: 27474

   C: 30154 D: 27574

5. **If the product 4864 x 9 P 2 is divisible by 12, then the value of P is:**

   A: 1 B: 4

   C: 5 D: 6

6. **Which one of the following numbers is exactly divisible by 11?**

   A: 235641 B: 245642

   C: 315624 D: 415624

7. **The average weight of A, B and C is 45 kg. If the average weight of A and B be 40 kg and that of B and C be 43 kg, then the weight of B is:**

   A: 17 kg B: 20 kg

   C: 26 kg D: 31 kg

8. **The smallest 3 digit prime number is:**

   A: 101 B: 103

   C: 109 D: 113

9. **The smallest 6 digit number exactly divisible by 111 is:**

   A: 111111 B: 110011

   C: 100011 D: 110101

10. **What is the unit digit in $\{(6374)^{1793} \times (625)^{317} \times (341^{491})\}$?**

    A: 0 B: 2

    C: 3 D: 5

11. 9548 + 7314 = 8362 + (?)

A: 8230 B: 8410

C: 8500 D: 8600

12. 3251 + 587 + 369 - ? = 3007

A: 1250 B: 1300

C: 1375 D: 1200

13. The smallest prime number is:

A: 1 B: 2

C: 3 D: 4

14. $(112 \times 5^4) = ?$

A: 67,000 B: 70,000

C: 76,500 D: 77,200

15. The sum of the two numbers is 12 and their product is 35. What is the sum of the reciprocals of these numbers ?

A: 12/35 B: 1/35

C: 35/8 D: 7/32

16. $9 + \frac{3}{4} + 7 + \frac{2}{17} - \left(9 + \frac{1}{15}\right) = ?$

A: $7 + \frac{719}{1020}$ B: $9 + \frac{817}{1020}$

C: $9 + \frac{719}{1020}$ D: $7 + \frac{817}{1020}$

17. (?) - 19657 - 33994 = 9999

A: 63650 B: 53760

C: 59640 D: 61560

18. A library has an average of 510 visitors on Sundays and 240 on other days. The average number of visitors per day in a month of 30 days beginning with a Sunday is:

A: 250 B: 276

C: 280 D: 285

19. Which one of the following can't be the square of natural number ?

A: 32761 B: 81225

C: 42437 D: 20164

20. Which one of the following numbers is completely divisible by 99?

A: 3572404 B: 135792

C: 913464 D: 114345

Algebra

TEST 1

1. **Find an expression is equivalent to** $\left(\frac{3x^2}{y}\right)^3$

   A: $\frac{27x^5}{3y}$
   B: $\frac{9x^6}{y^3}$
   C: $\frac{9x^5}{y^3}$
   D: $\frac{27x^6}{y^3}$

2. **Solve for a: 8 – 4(a – 1) = 2 + 3(4 – a)**

   A: -1
   B: -2
   C: -5/3
   D: 2

3. **Select an expression starting with** Σ **for the following sum:**

   $\frac{1}{4^2}+\frac{1}{5^2}+\frac{1}{6^2}+\frac{1}{7^2}$

   A: $=\sum_{i=4}^{7}\frac{1}{i}$
   B: $=\sum_{i=1}^{7}\frac{1}{i^2}$
   C: $=\sum_{i=1}^{4}\frac{1}{i^2}$
   D: $=\sum_{i=4}^{7}\frac{1}{i^2}$

4. $\frac{(963+476)^2+(963-476)^2}{(963\times 963+476\times 476)}=?$

   A: 1449
   B: 497
   C: 2
   D: 4

5. **Multiply out the following brackets and simplify: (3x+5)(2x+7)**

   A: $6x^2+31x+35$
   B: $5x+35$
   C: $6x^2+17x+12$
   D: $17x^2+5x+12$

6. **Determine the value of *x* and *y* that satisfy the following equations:**
   $4y = 3x + 15$
   $2y = -2x + 4$

   A: $x = -4$, $y = 6$
   B: $x = -1$, $y = 3$
   C: $x = 19$, $y = 17$
   D: $x = 1$, $y = 4.5$

7. **Factorise :$100-y^2$**

   A: $(10+y)(10-y)$
   B: $(50-y)(2+y)$
   C: $(10-y)^2$
   D: $(50+y)(2+y)$

8. **Solve for x: 4(x – r) = 2x + 10r**

   A: 3r
   B: 5.5r
   C: 7r
   D: r

9. **If abc = 2 and a= c then b = ?**

   A: a^2
   B: $\frac{1}{2a}$
   C: $\frac{2}{a^2}$
   D: $2 - a^2$

10. **Rearrange the equation 10*p* - 4*q* + 8*r* - 5 = 4*q* + 9*r* - 5*p* to obtain *r* on its own.**

    A: $r = 15p - 5$
    B: $r = 5p - 8q + 5$
    C: $r = 15p - 8q - 5$
    D: $r = 8q - 15p + 5$

11. **Solve for y: y/8 + 6 = 4/y**

    A: 2
    B: 6
    C: 14
    D: 48

12. **Rearrange the equation cp2 = $(dq)^{1/3}$ to make *q* the subject.**

    A: $q= (cdp^2)^3$
    B: $q= (cp^2)^{1/3}/ d$
    C: $q= (cp^2)^3/d$
    D: $q= cp^2 / (d)^{1/3}$

13. **Rearrange the following equation to make *x* the subject: y+4 = $(2x-3)^{1/2}$**

    A: $x=(y+7)/2$
    B: $x=(y^2+7)/2$
    C: $x=[(y+4)^2+3]/2$
    D: $x= 2y^2+14$

14. **7x - 11 = 29 - 3x, what is the value of x?**

    A: 4
    B: 10
    C: 12
    D: None of the above.

15. Simplify the following expression as much as possible: $y= 7s/35s^3$

- A: $y= 1/ 5s^2$
- B: $y= 1/5s$
- C: $y= 5s^2/s$
- D: $y= 5s^2$

16. Factorise the following : $9y^2-3y^4+12y^3$

- A: $y^2(3-y^2-4y)$
- B: $3y(3-y^2+4y)$
- C: $y^2(9y-3y^3+12)$
- D: $3y^2(3-y^2+4y)$

17. Multiply out the following brackets and simplify:$(4a+3b)^{2.}$

- A: $16a^2+24ab+9b^2$
- B: $49a^2b^2+12$
- C: $9a^2+24ab+16b^2$
- D: $16a^2+9b^2$

18. Calculate (without using a calculator) the value of *y* in the following equation: *y* = 10 - 3 x 2

- A: 14
- B: 4
- C: 17
- D: 15

19. Select the option that correctly shows what the following notation means:

$$\sum_{i=1}^{n}\left(2i^2+1\right)$$

- A: = $(2 \times 1^2 + 1) + (2 \times 2^2 + 1) + (2 \times 3^2 + 1) + \ldots + (2 \times n^2 + 1)$
- B: = $(2 \times 1^2 + 1) + (2 \times n^2 + 1)$
- C: = $2 \times 1^2 + 2 \times 2^2 + 2 \times 3^2 + ... + 2 \times n^2$
- D: = $2 \times n^2 + 1$

20. Rearrange the following equation to make *p* the subject: *q* = 12 + 6*p*.

- A: p = q-12
- B: p= (q-12)/6
- C: p=(q/6) – 12
- D: p= 6q - 12

TEST 2

1. **A number consists of two digits. If the digits interchange places and the new number is added to the original number, then the resulting number will be divisible by:**

   A: 3 B: 5
   C: 9 D: 11

2. $\frac{854 \times 854 \times 854 - 276 \times 276 \times 276}{854 \times 854 + 854 \times 276 + 276 \times 276} = ?$

   A: 1130 B: 578
   C: 565 D: 1156

3. **217 x 217 + 183 x 183 = ?**

   A: 79698 B: 80578
   C: 80698 D: 81268

4. **On dividing 100 into two parts such that the sum of their reciprocals is 1 / 24 we get the part as?**

   A: 35 B: 65
   C: 60 D: 35

5. **Factorise the following quadratic equation : $3x^2+13x-30$**

   A: (3x-6)(x+5) B: (3x-5)(x+6)
   C: 3(x-2)(x+5) D: (x-5)(x+6)

6. **Determine the value of *x* and *y* that satisfy the following equations:**
   $3y = 2x + 4$ $5y = 7x + 3$

   A: x=-1 ,y=2/3 B: x=-1/2, y=1
   C: x= 1 ,y= 2 D: x= 5 ,y= 3

7. **If 2x = 3y and 5x + y = 34, find y.**

   A: 4 B: 5
   C: 6 D: 10

8. **The sum of the squares of three numbers is 138, while the sum of their products taken two at a time is 131. Their sum is:**

   A:20 B: 30
   C: 40 D: None of the above.

9. **Determine the value of *x* and *y* that satisfy the following equations:**
   $y = -3x + 5$ $y = 2x - 10$

   A: $x = -3, y = 14$ B: $x = 3, y = -4$
   C: $x = -3, y = -16$ D: $x = -5, y = 20$

10. **Solve for x: $4x^2-2x=0$**

    A: 0 only B: $\frac{-1}{2}$ or 0
    C: $\frac{1}{2}$ Only D: $\frac{1}{2}$ or 0

11. Solve for x: $6x^2 – 42x = 0$

- A: –7 and 0
- B: 7 and 0
- C: –7 only
- D: 7 only

12. If $(x + y)^2 = 100$ and $xy = 20$, find $x^2 + y^2$.

- A: 20
- B: 40
- C: 60
- D: 80

13. Factorise the following : (2a-5)(6-a)-(a-30).

- A: 2a
- B: $2(8a-a^2-30)$
- C: 2a(8-a)
- D: -2a(a+1)

14. Calculate the value of $\prod_{2}^{4} 3i^2$

- A: 5184
- B: 15552
- C: 46656
- D: 87

15. $\frac{(469 + 174)^2 - (469 - 174)^2}{(469 \times 174)} = ?$

- A: 2
- B: 4
- C: 295
- D: 643

16. A rectangle is 16 cm long and 10 cm wide. If the length is reduced by k cm and its width is increased also by k cm so as to make it a square then its area changes by ?

- A: Area remains same
- B: 169
- C: 69
- D: 9

17. Rearrange the following equation to make *r* the subject: $s= 8r^3$

- A: $r= s^{1/3}/2$
- B: $r= 8s^3$
- C: $r= s^{1/3} / 8$
- D: $r= s^{1/2} / 2$

18. Factorise the following quadratic equation : $x^2-8x-48$

- A: (x-4)(x+12)
- B: (x+2)(x-24)
- C: (x+24)(x-2)
- D: (x+4)(x-12)

19. Simplify $\frac{\frac{1}{a} - \frac{1}{b}}{2}$

- A: $\frac{b-a}{2}$
- B: $\frac{a-b}{2}$
- C: $\frac{b-a}{2ab}$
- D: $\frac{ba}{2}$

20. What is the sum of two consecutive even numbers, the difference of whose squares is 84?

- A: 34
- B: 38
- C: 42
- D: 46

TEST 3

1. **In a two-digit, if it is known that its unit's digit exceeds its ten's digit by 2 and that the product of the given number and the sum of its digits is equal to 144, then the number is:**

   A: 24
   B: 26
   C: 42
   D: 46

2. $\frac{753 \times 753 + 247 \times 247 - 753 \times 247}{753 \times 753 \times 753 + 247 \times 247 \times 247} = ?$

   A: 1/1000
   B: 1/506
   C: 253/500
   D: None of these

3. **The difference between a positive proper fraction and its reciprocal is 9/20. The fraction is:**

   A: 3/5
   B: 3/10
   C: 4/5
   D: 4/3

4. $\frac{768 \times 768 \times 768 + 232 \times 232 \times 232}{768 \times 768 - 768 \times 232 + 232 \times 232} = ?$

   A: 1000
   B: 536
   C: 500
   D: 268

5. **Solve for x:**

   $0.6x + 0.2y = 2.2$

   $0.5x - 0.2y = 1.1$

   A: 3
   B: 10
   C: 11
   D: 30

6. **Solve for x:** $4 * \sqrt{2x - 1} = 12$

   A: 4
   B: 5
   C: 10
   D: 18.5

7. $Divide \frac{x-5}{x+5}\ by\ \frac{5-x}{5+x}$

   A: 1
   B: -1
   C: $\frac{(x-5)^2}{(x+5)^2}$
   D: 0

8. **Differentiate the following equation using the standard rules: $y=x^{9.}$ dy/dx?**

- A: x^8
- B: $9x^8$
- C: $x^{10}/10$
- D: $8x^9$

9. **Solve for x:** $\sqrt{x^2 - 35}$ **= 5 – x**

- A: 3
- B: -3
- C: 6
- D: -6

10. **Rearrange the following equation to make *x* the subject: $y= (8x+9)^{3.}$**

- A: $x=(y^{1/3}/8)+9$
- B: x= (3y+9)/8
- C: x=(y+3)/72
- D: $x=[(y)^{1/3}+9]/8$

11. **A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the digits are reversed. The number is:**

- A: 18
- B: 24
- C: 42
- D: 81

12. **Rearrange the following equation to make *x* the subject: $y= 5*(x+8)^{1/2}$.**

- A: $x= (y^2/5)- 8$
- B: x= (2y/5)- 8
- C: $x=(y^2 - 8)/25$
- D: $x= (y^2/25)-8$

13. **Simplify to simplest form:** $\frac{3x^3 - 3x^2y}{9x^2 - 9xy}$

- A: x/6
- B: x/3
- C: 2x/3
- D: 1

14. **A man has some hens and cows. If the number of heads be 48 and the number of feet equals 140, then the number of hens will be:**

- A: 22
- B: 23
- C: 24
- D: 26

15. **The sum of the digits of a two-digit number is 15 and the difference between the digits is 3. What is the two-digit number?**

- A: 69
- B: 78
- C: 96
- D: Cannot be determined

16.

$$\frac{854 \times 854 \times 854 - 276 \times 276 \times 276}{854 \times 854 + 854 \times 276 + 276 \times 276} = ?$$

- A: 1130
- B: 578
- C: 565
- D: 1156

17. The trinomial $x^2 – x – 20$ is exactly divisible by

- A: x-4
- B: x-10
- C: x+4
- D: x-2

18. Express the number of days in w weeks and w days.

- A: $7w^2$
- B: 8w
- C: 7 + 2w
- D: w^2

19. Rearrange the following equation to make *r* the subject: s= (5s+9) / (4 - r).

- A: r= (5s+9)(4-s)
- B: r= 9 + 9/s
- C: r= -1- 9/s
- D: r=(5s+9)/(4-s)

20. Determine the value of the following expression: $[(36pr^2)/(qq^2)] / [4r^3/3pq^2]$. . (Give your answer as a single fraction and simplify as much as possible.)

- A: $3p^2/r$
- B: $16r^5 / 3q$
- C: $10r^5/ 3q^2$
- D: $r/ 3p^2$

TEST 4

1. **Simplify to simplest form:** $\frac{2x-8}{12-3x}$

   A: -2/3 B: 2/3
   C: -4/3 D: 4/3

2. **If p is a negative integer and $p^2 + 11p = t$, a value of t could be ?**

   A: 12 B: 18
   C: -18 D: 11

3. **The captain of a cricket team of 11 members is 26 years old and the wicket keeper is 3 years older. If the ages of these two are excluded, the average age of the remaining players is one year less than the average age of the whole team. What is the average age of the team?**

   A: 23 years B: 24 years
   C: 25 years D: None of these

4. **Find a positive number which when increased by 17 is equal to 60 times the reciprocal of the number.**

   A: 3 B: 10
   C: 17 D: 20

5. $\frac{(489 + 375)^2 - (489 - 375)^2}{(489 \times 375)} = ?$

   A: 144 B: 864
   C: 2 D: 4

6. **Solve for x: $x^2 – 8x – 20 = 0$**

   A: 5 and –4 B: 10 and –2
   C: –5 and 4 D: –10 and –2

7. **Calculate (without using a calculator) the value of *y* in the following equation: $y = 2^3 + 3 \times 6^2$.**

   A: 396 B: 156
   C: 114 D: 116

8. **Solve for X: $X^2 – 4X – 21 = 0$**

   A: 7 or 3 B: -7 or -3
   C: -7 or 3 D: 7 or -3

9. Solve for x: 3x – 2 = 3 + 2x

- A: -5
- B: 5
- C: -1
- D: 1

10. The difference between a two-digit number and the number obtained by interchanging the positions of its digits is 36. What is the difference between the two digits of that number?

- A: 3
- B: 4
- C: 9
- D: Cannot be determined

11. Determine the value of *x* and *y* that satisfy the following equations:

$y = 5x + 6$

$y = 2x + 3$

- A: x= 12, y= 1
- B: $x = 1, y = 11$
- C: $x = 1, y = 5$
- D: $x = -1, y = 1$

12. Simplify the expression: 3*k* - 4*m* + 7*n* - 5*k* - 2*n* + 6*k* - 8*m* + 5.

- A: $4k - 12m + 10n$
- B: $4k - 12m + 5n + 5$
- C: $2kmn$
- D: $3k - 4m + 7n + 5$

13. The product of two numbers is 120 and the sum of their squares is 289. The sum of the number is:

- A: 20
- B: 23
- C: 169
- D: None of these

14. Rearrange the equation: $4p = 2q^5$ to make *q* the subject.

- A: $q= (2p)^{1/5}$
- B: $q= 2p^5$
- C: $q= 2(p)^{1/5}$
- D: $q= (2p)^{1/2}$

15. Simplify $2 + \frac{\frac{1}{a}}{\frac{b}{a}}$

- A: $\frac{2a+1}{b}$
- B: $\frac{2b+1}{b}$
- C: $\frac{2a+1}{ab}$
- D: $\frac{4a^2+1}{xy}$

16. Determine the value of *p* and *q* that satisfy the following equations:

$2q = 3p - 5$

$5q = 4p - 2$

- A: $p = 2, q = 0.5$
- B: $p = 2, q = 0.8$
- C: $p = 3, q = 2$
- D: $p = -3, q = -7$

17. Rearrange the following equation to make *p* the subject: 6q= 17/ (p+3).

- A: p= (1/ 102q) – 3
- B: p=(17/ 6q)+3
- C: p=17 / (6q +3)
- D: p= (17 / 6q) - 3

18. The sum of two numbers is 16 and the sum of their squares is 130.The numbers are?

- A: (9,7)
- B: (7,11)
- C: (9,11)
- D: (11,10)

19. If x + y = 16 and $x^2 – y^2 = 48$, then x – y equals

- A: 3
- B: 32
- C: 4
- D: 36

20. Determine the value of *a* and *b* that satisfy the following equations:

$2a = 2b + 5$

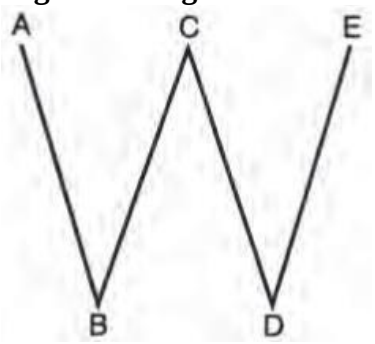
$3a = -4b + 4$

- A: a=2 ,b= -1/2
- B: a= 5 ,b=5/2
- C: a=5 ,b=4
- D: a= 1,b= -3/2

Geometry

TEST 1

1. **If $\bar{AB}$ is parallel to $\bar{CD}$, $\bar{BC}$ is parallel to $\bar{ED}$, and angle B = 30°, find the number of degrees in angle D.**



- A: 150
- B: 30
- C: 60
- D: 120

2. **The radius of a wheel is 18 inches. Find the number of feet covered by this wheel in 20 revolutions.**

- A: 360π
- B: 50π
- C: 60π
- D: 720π

3. **Find the distance from the point whose coordinates are (4, 3) to the point whose coordinates are (8, 6).**

- A: 5
- B: 25
- C: 15
- D: 7

4. **The area of a trapezoid whose bases are 10 and 12 and whose altitude is 3 is**

- A: 66
- B: 11
- C: 33
- D: 25

5. **Find the edge, in inches, of a cube whose volume is equal to the volume of a rectangular solid 2 in. by 6 in. by 18 in.**

- A: 4
- B: 5
- C: 6
- D: 8

6. **Find the length of the line segment joining the points whose coordinates are (–3, 1) and (5, –5).**

- A: $2\sqrt{5}$
- B: 10
- C: $2\sqrt{10}$
- D: $\sqrt{10}$

7. The base of a rectangular tank is 6 feet by 5 feet and its height is 16 inches. Find the number of cubic feet of water in the tank when it is 5/8 full. (there are 12 inches in one feet)

- A: 480
- B: 40
- C: 300
- D: 25

8. If the diagonals of a rhombus are represented by 4x and 6x, the area may be represented by

- A: $6x^2$
- B: 12x
- C: 24x
- D: $12x^2$

9. The length of the line segment joining the point A(4, –3) to B(7, –7) is

- A: $\sqrt{221}$
- B: $\sqrt{185}$
- C: 7
- D: 5

10. A square is equal in area to a rectangle whose base is 9 and whose altitude is 4. Find the perimeter of the square.

- A: 6
- B: 24
- C: 36
- D: None of these

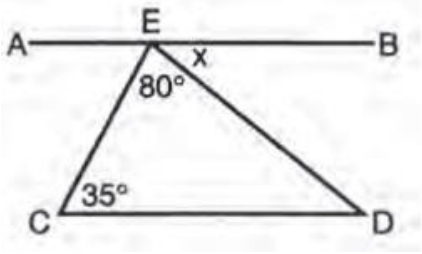
11. Find the altitude of an equilateral triangle whose side is 20.

- A: 10
- B: $20\sqrt{3}$
- C: $10\sqrt{3}$
- D: $10\sqrt{2}$

12. The dimensions of a rectangular living room are 18 feet by 20 feet. How many square yards of carpeting are needed to cover the floor? Hint: there are 9 square feet in one square yard.

- A: 360
- B: 90
- C: 40
- D: 240

13. Find angle *x* if $\bar{AB}$ is parallel to $\bar{CD}$.



- A: 35
- B: 45
- C: 55
- D: 65

14. Water is poured into a cylindrical tank at the rate of 9 cubic inches a minute. How many minutes will it take to fill the tank if its radius is 3 inches and its height is 14 inches?

(Use π = 22/7)

- A: $14\frac{2}{3}$
- B: 44
- C: 30
- D: 35

15. If a base angle of an isosceles triangle is represented by x°, represent the number of degrees in the vertex angle.

- A: 180 – x
- B: x – 180
- C: 90 – 2x
- D: 180 – 2x

16. The hour hand of a clock is 3 feet long. How many feet does the tip of this hand move between 9:30 P.M. and 1:30 A.M. the following day?

- A: 4π
- B: π
- C: 2π
- D: 3π

17. The sum of the angles in a rhombus is?

- A: 180
- B: 360
- C: 540
- D: 750

18. Find the number of degrees in each angle of a regular pentagon.

- A: 72
- B: 108
- C: 180
- D: 120

19. If the radius of a circle is doubled, then

- A: The circumference and area are both doubled
- B: The circumference is doubled and the area is multiplied by 4
- C: The circumference is multiplied by 4 and the area is doubled
- D: The circumference and area are each multiplied by 4

TEST 2

1. **A farmer uses 140 feet of fencing to enclose a rectangular field. If the ratio of length to width is 3 : 4, find the diagonal, in feet, of the field.**

   - A: 50
   - B: 20
   - C: 10
   - D: 100

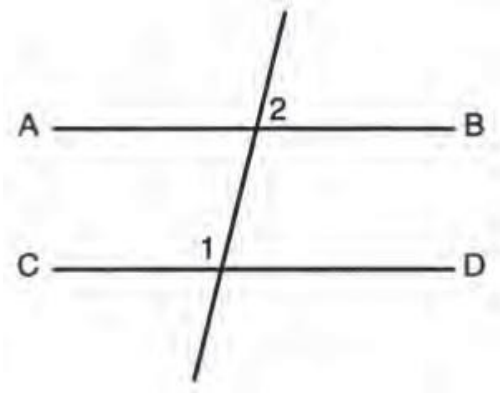
2. **In a parallelogram whose area is 15, the base is represented by x + 7 and the altitude is x – 7.Find the base of the parallelogram.**

   - A: 8
   - B: 34
   - C: 5
   - D: 15

3. **A rectangular tank 10 inches by 8 inches by 4 inches is filled with water. If the water is to be transferred to smaller tanks in the form of cubes 4 inches on a side, how many of these tanks are needed?**

   - A: 4
   - B: 5
   - C: 6
   - D: 7

4. **If $\bar{AB}$ is parallel to $\bar{CD}$ and angle 1 = 130°, find angle 2.**



   - A: $50°$
   - B: $60°$
   - C: $100°$
   - D: $130°$

5. **If the volume of one cube is 8 times as great as another, then the ratio of the area of a face of the larger cube to the area of a face of the smaller cube is**

   - A: 2:1
   - B: 4:1
   - C: 8:1
   - D: $\sqrt{2} : 1$

6. **The circumference of a circle whose area is 16π is**

   - A: 16π
   - B: 4π
   - C: 8π
   - D: 16

7. In parallelogram ABCD, angle B is 5 times as large as angle C. What is the measure in degrees of angle B?

- A: 150
- B: 120
- C: 60
- D: 100

8. The angles of a triangle are in the ratio 1 : 5 : 6. This triangle is

- A: Acute
- B: Obtuse
- C: Isosceles
- D: Right

9. Find the perimeter of a square whose diagonal is 8.

- A: $16\sqrt{2}$
- B: $32\sqrt{3}$
- C: $32\sqrt{2}$
- D: 16

10. The surface area of a cube is 96 square feet. How many cubic feet are there in the volume of the cube?

- A: 32
- B: 12
- C: 64
- D: 36

11. Find the perimeter of a square whose diagonal is $6\sqrt{2}$.

- A: 12
- B: $24\sqrt{2}$
- C: $12\sqrt{2}$
- D: 24

12. In triangle *ABC*, the angles are in a ratio of 1 : 1 : 2. The largest angle of the triangle is

- A: 100
- B: 120
- C: 45
- D: 90

13. The area of one circle is 9 times as great as the area of another. If the radius of the smaller circle is 3, find the radius of the larger circle.

- A: 9
- B: 12
- C: 18
- D: 24

14. The sides of a right triangle are 6, 8, and 10. Find the altitude drawn to the hypotenuse.

- A: 3.4
- B: 3.5
- C: 4.8
- D: 4.2

15. In parallelogram ABCD, AB = x + 4, BC = x –6, and CD = 2x – 16. Find AD.

- A: 28
- B: 20
- C: 10
- D: 14

16. If the area of a circle of radius x is 5π, find the area of a circle of radius 3x.

- A: 15π
- B: 30π
- C: 45π
- D: 20π

17. If the length and width of a rectangle are each doubled, the area is increased by

- A: 100%
- B: 200%
- C: 300%
- D: 400%

18. What is total number of degrees in the sum of the interior angles of a hexagon.

- A: 360
- B: 540
- C: 720
- D: 900

19. If the angles of a triangle are in the ratio 5: 6:7, the triangle is

- A: Acute
- B: Isosceles
- C: Right
- D: Obtuse

20. A cylindrical pail has a radius of 7 inches and a height of 10 inches. Approximately how many gallons will the pail hold if there are 231 cubic inches to a gallon? (Use π = 22/7)

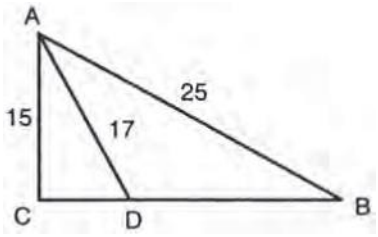
- A: 1540
- B: 1980
- C: 5.1
- D: 6.7

TEST 3

1. **A rectangular box with a square base contains 24 cubic feet. If the height of the box is 18 inches, how many feet are there in each side of the base?**

   A: $\frac{2\sqrt{3}}{3}$
   B: 2
   C: $\frac{\sqrt{3}}{2}$
   D: 4

2. **Find the length of DB.**



   A: 12
   B: 20
   C: 8
   D: 10

3. **The vertices of a triangle are (2, 1), (2, 5), and (5, 1). The area of the triangle is?**

   A: 12
   B: 10
   C: 6
   D: 8

4. **Find the x intercept of the graph of the equation.**
   2x - 4y = 9

   A: (0,0)
   B: (9/2,0)
   C: (-9/2,0)
   D: (-6,0)

5. **A spotlight is attached to the ceiling 2 feet from one wall of a room and 3 feet from the wall adjacent. How many feet is it from the intersection of the two walls?**

   A: 4
   B: 5
   C: $\sqrt[2]{3}$
   D: $\sqrt{13}$

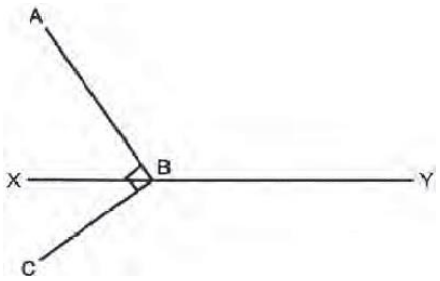
6. **In triangle ABC, $\bar{AB} = \bar{BC}$. If angle A = (4x – 30) ° and angle C = (2x + 10) °, find the number of degrees in angle B.**

   A: 20
   B: 40
   C: 50
   D: 80

7. **In triangle ABC, angle A is three times as large as angle B. The exterior angle at C is 100°. Find the number of degrees in angle A.**

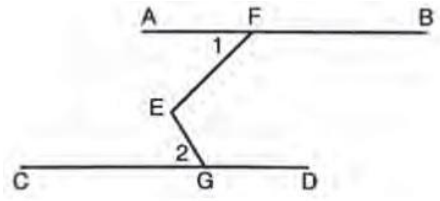
- A: 75
- B: 80
- C: 20
- D: 25

8. **In the diagram below, AB is perpendicular to BC. If angle XBY is a straight angle and angle XBC contains 37°, find the number of degrees in angle ABY.**



- A: 63
- B: 37
- C: 143
- D: 127

9. **If AB is parallel to CD, angle 1 contains 40°, and angle 2 contains 30°, find the number of degrees in angle FEG.**



- A: 110
- B: 70
- C: 140
- D: 30

10. **AB is the diameter of a circle whose center is O. If the coordinates of O are (2, 1) and the coordinates of B are (4, 6), find the coordinates of A.**

- A: $(3, 3\frac{1}{2})$
- B: (0,-4)
- C: $(2\frac{1}{2}, 1)$
- D: $(1, 2\frac{1}{2})$

11. **In triangle ABC, AB = BC. If angle B contains x degrees, find the number of degrees in angle A.**

- A: 180-*X*
- B: $180 - \frac{X}{2}$
- C: $90 - \frac{X}{2}$
- D: 90-X

12. Which of the following statements is false?

- A: A square is a rhombus.
- B: A rhombus is a parallelogram.
- C: A rectangle is a rhombus.
- D: A rectangle is a parallelogram.

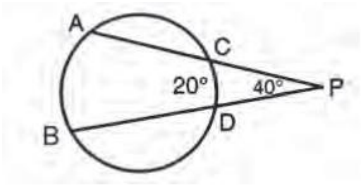
13. In parallelogram ABCD, AB = x + 8, BC = 3x, and CD = 4x – 4. ABCD must be a

- A: Rectangle
- B: Rhombus
- C: Trapezoid
- D: Square

14. The area of a circle whose center is at (0,0) is 16π. The circle passes through each of the following points except

- A: (4, 4)
- B: (4, 0)
- C: (0, –4)
- D: (–4, 0)

15. Find the number of degrees in arc *AB*.

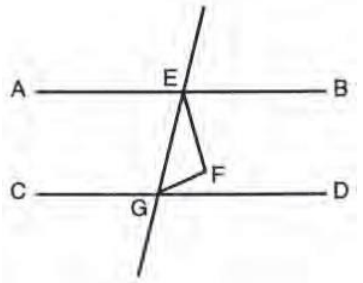


- A: 60
- B: 80
- C: 90
- D: 100

16. Two boats leave the same dock at the same time, one traveling due west at 8 miles per hour and the other due north at 15 miles per hour. How many miles apart are the boats after three hours?

- A: 69
- B: 51
- C: 79
- D: 39

17. If $\bar{AB}$ is parallel to $\bar{CD}$, $\bar{EF}$ bisects angle BEG, and $\bar{GF}$ bisects angle EGD, find the number of degrees in angle EFG.



- A: 40
- B: 60
- C: 90
- D: 120

TEST 4

1. **The area of an equilateral triangle is $16\sqrt{3}$ .Find its perimeter.**

   A: 16
   B: 24
   C: $48\sqrt{3}$
   D: $12\sqrt{3}$

2. **In a circle whose center is O, arc AB contains 100°. Find the number of degrees in angle ABO.**

   A: 40
   B: 100
   C: 60
   D: 65

3. **AB is the diameter of a circle whose center is O. If the coordinates of A are (2, 6) and the coordinates of B are (6, 2), find the coordinates of O.**

   A: (4,4)
   B: (4,-4)
   C: (2,-2)
   D: (0,0)

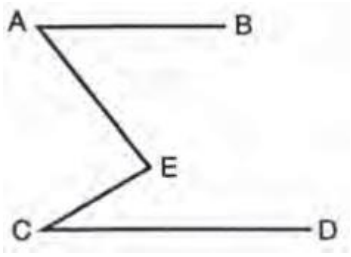
4. **A circle is inscribed in a square whose side is 6. Express the area of the circle in terms of π.**

   A: 12π
   B: 36π
   C: 9π
   D: 3π

5. **If the radius of a circle is increased by 3, the circumference is increased by**

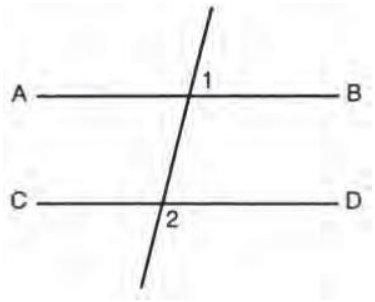
   A: 6π
   B: 3
   C: 4
   D: 3π

6. **If $\bar{AB}$ is parallel to $\bar{CD}$, angle A = 35°, and angle C = 45°, find the number of degrees in angle AEC.**



   A: 35
   B: 45
   C: 70
   D: 80

7. If $\bar{AB}$ is parallel to $\bar{CD}$ and angle 1 = x°, then the sum of angle 1 and angle 2 is



- A: 2x°
- B: (180 – x)°
- C: 180°
- D: (180 + x)°

8. If the vertex angle of an isosceles triangle is 50°, find the number of degrees in one of the base angles.

- A: 50
- B: 130
- C: 60
- D: 65

9. A circle whose area is 4 has a radius of x. Find the area of a circle whose radius is 3x.

- A: 144
- B: 36
- C: 48
- D: 43

10. An angle is 30º more than one-half of its complement. Find the angle?

- A: 20º
- B: 30º
- C: 50º
- D: 60º

11. The volumes of two similar solid cubes are 250 and 128. If a dimension of the larger solid is 25, find the corresponding side of the smaller solid?

- A: 15
- B: 20
- C: 40
- D: Cannot be determined

Intellegence Non Verbal

Analytical Reasoning

Test 1

1. 21
2. 9 straight lines in the figure &36 triangles
3. 14
4. 17
5. 36
6. 20
7. 5
8. 23
9. 30
10. 32 triangles, 10 squares
11. 10
12. 15
13. 15
14. 12
15. 15
16. 18
17. 27
18. 15
19. 14
20. 28 triangles, 6 squares

Test 2

1. 8
2. 11
3. 11
4. 18
5. 24
6. 18
7. 13
8. 24
9. 29
10. 28
11. 28 triangles, 5 squares
12. 10
13. 21
14. 18

Test 3

1. 14
2. 3
3. 21,17
4. 28
5. 21 triangles, 7 squares
6. 40 triangles, 7 squares
7. 27
8. 15
9. 28
10. 48
11. 28
12. 45
13. 3
14. 16

Analogy

Test 1

1. 4
2. 3
3. 3
4. 3
5. 1
6. 1
7. 1
8. 1
9. C
10. 2
11. 2
12. 1
13. 3
14. 4
15. 3
16. 1
17. C

Test 2

1. 3
2. 4
3. D
4. 1
5. 2
6. 2
7. 1
8. 2
9. 3
10. 4
11. 1
12. D
13. 3
14. 1
15. 3
16. C

Test 3

1. 3
2. 1
3. 3
4. 4
5. 2
6. C
7. 2
8. 3
9. B
10. 4
11. 2
12. 4
13. 1
14. 4

Odd Figure Out

Test 1	Test 2
1. 3	1. 2
2. 4	2. 4
3. 4	3. 3
4. 3	4. 2
5. 1	5. 3
6. 3	6. 4
7. 4	7. 3
8. 3	8. 2
9. 1	9. 4
10. 1	10. 4
11. 4	11. 3
12. 4	12. 2
13. 2	13. 4
14. 3	14. 4
15. 2	15. 1
16. 4	16. 4
17. 4	17. 2
18. 2	18. 4
19. 1	19. 4
20. 1	

Test 3

1. 1
2. 4
3. 3
4. 3
5. 2
6. 2
7. 4
8. 1
9. 1
10. 1
11. 1
12. 1
13. 3
14. 3
15. 3
16. 4

Test 4

1. 3
2. 4
3. 3
4. 2
5. 1
6. 1
7. 3
8. 3
9. 2
10. 3
11. 3
12. 3
13. 1
14. 3
15. 1
16. 2
17. 3
18. 4
19. 4

Mirror & Water Images

Test 1

1. 3
2. 3
3. 2
4. 2
5. 4
6. 3
7. 4
8. 1
9. 2
10. 4
11. 4
12. 3
13. 3
14. 1
15. 1
16. 2
17. 2
18. 1
19. 2
20. 3

Test 2

1. 2
2. 3
3. 4
4. 2
5. 1
6. 3
7. 3
8. 2
9. 2
10. 4
11. 1

Test 3

1. 4
2. 3
3. 4
4. 4
5. 4
6. 1
7. *3*
8. 4
9. 1
10. 1
11. 2
12. 1

Pattern Completion

Test 1

1. 2
2. 2
3. 2
4. 2
5. 4
6. 2
7. 4
8. 3
9. 2
10. 4
11. 2
12. 3
13. 4
14. 3
15. 4
16. 4
17. 4
18. 3
19. 4

Test 2

1. 4
2. 3
3. 2
4. 4
5. 2
6. 3
7. 4
8. 1
9. 2
10. 3
11. 1
12. 4
13. 1
14. 2
15. 4

Test 3

1. 2
2. 4
3. 1
4. 3
5. 3
6. 3
7. 3
8. 4
9. 3
10. 4
11. 1
12. 3
13. 3
14. 3
15. 2
16. 1

Figure Matrix

Test 1

1. 3
2. 3
3. B
4. 3
5. 4
6. 2
7. 4
8. 1
9. 4
10. 1
11. 4
12. 1
13. 3
14. 4
15. 4
16. 2
17. A
18. 2
19. 4
20. 1

Test 2

1. 3
2. 4
3. D
4. *1*
5. 3
6. 4
7. 2
8. 1
9. 2
10. 4
11. D
12. 2
13. 2
14. 2

Test 3

1. 3
2. 2
3. A
4. 2
5. 3
6. 4
7. 3
8. 2
9. 2
10. 3
11. 4
12. 1
13. 2
14. 1
15. 1
16. 3

Paper Folding & Cutting

Test 1

1. 3
2. 2
3. 4
4. 3
5. 2
6. 3
7. 1
8. 4
9. 2
10. 3
11. 1
12. 4
13. 2
14. 2
15. 3
16. 4
17. 1
18. 4

Test 2

1. 4
2. 4
3. 1
4. 3
5. 2
6. 4
7. 3
8. 4
9. 2
10. 3
11. 3
12. 3
13. 3
14. 3
15. 2
16. 3
17. 2
18. 3
19. 2
20. 3

Test 3

1. 2
2. 2
3. 2
4. 1
5. 2
6. 3
7. 4
8. 4
9. 4
10. 1
11. 3
12. 4

Dot Situation

Test 1

1. A
2. 3
3. 2
4. B
5. 3
6. 4
7. A
8. D
9. 1
10. 3
11. A
12. D
13. D
14. D
15. 4
16. D
17. 1
18. 4
19. C
20. B

Test 2

1. 1
2. 3
3. 4
4. 1
5. 1
6. B
7. 1
8. C
9. 3
10. B
11. 3
12. A

Test 3

1. 2
2. B
3. 3
4. C
5. 3
6. B
7. 4
8. 4
9. 2
10. 2
11. 1
12. A
13. 4
14. 1
15. 2
16. 4
17. 3
18. 3

Shape Construction

Test 1

1. 134
2. 135
3. 4
4. 123
5. 1
6. 235
7. 234
8. 234
9. 4
10. 125
11. 135

Test 2

1. 2
2. 135
3. 235
4. 234
5. 145
6. 2
7. 234
8. 245
9. 2
10. 4
11. 134
12. 345
13. 123
14. 134
15. 234
16. 245
17. 124
18. 4
19. 135
20. 3

Test 3

1. 1
2. 4
3. 4
4. 125
5. 4
6. 2
7. 345
8. 2
9. 245
10. 4
11. 345
12. 4
13. 3
14. 3
15. 345
16. 245
17. 3
18. 234
19. 134
20. 135

Series

Test 1

1. Hive
2. 2
3. 3
4. B
5. 4
6. 4
7. 3
8. 3
9. JK
10. 4
11. 4
12. C
13. 3
14. 3
15. 1
16. 2
17. C
18. 1
19. Floor
20. 3

Test 2

1. 3
2. 3
3. 4
4. 3
5. 22
6. 2
7. D
8. 4
9. 3
10. 2
11. 1
12. 2
13. 4
14. 2
15. 4
16. 4
17. 2
18. 3
19. 1
20. 2

Test 3

1. 4
2. 2
3. 3
4. 1
5. 4
6. B
7. 1
8. 2
9. 22
10. 1
11. 1
12. 33
13. 1
14. 3
15. 1
16. 1
17. 1
18. 3
19. 1
20. 3

Test 4

1. 4
2. 1
3. 2
4. 4
5. 4
6. 1
7. 2
8. Ship
9. 2
10. X
11. 4
12. 3
13. 3
14. 3
15. 3
16. 4
17. 3
18. 2
19. 3
20. 2

Intelligence Verbal

Series Completion

Test 1

1. VENTUR
2. 256
3. 5
4. 35
5. 81
6. 101
7. 96
8. 4374
9. 256
10. 7856
11. 14
12. GMJ
13. 550
14. 81
15. 123
16. Mnpmon
17. Rsurts
18. JQ
19. Ifgie
20. 94

Test 2

1. 96542
2. MNOPQ
3. 10,10
4. 1
5. Babba
6. 186
7. MQNRO
8. 1113
9. 54
10. 346
11. MNOP
12. Andaa
13. None of these
14. Abac

Test 3

1. 1135
2. LUP
3. 143
4. 39
5. 10
6. 3508
7. 35
8. i,m
9. 88
10. Mve
11. NIK
12. UTI
13. G,H,Q
14. 356
15. 4718
16. 40
17. 150

Data Sufficiency

Test 1

1. Both I and II are required
2. II alone is sufficient while I alone is not sufficient
3. Neither I nor II is sufficient
4. Both I and II are sufficient
5. Neither I nor II is sufficient
6. I alone is sufficient while II alone is not sufficient
7. I alone is sufficient while II alone is not sufficient
8. Neither I nor II is sufficient
9. Either I or II is sufficient
10. Neither I nor II is sufficient
11. Neither I nor II is sufficient
12. Either I or II is sufficient
13. Either I or II is sufficient
14. Both I and II are sufficient
15. All I, II and III
16. Either I or II is sufficient
17. Neither I nor II is sufficient
18. Both I and II are sufficient
19. Either I or II is sufficient
20. Both I and II are sufficient

Test 2

1. Both I and II are sufficient
2. Both I and II are sufficient
3. Only I and either II or III
4. Neither I nor II is sufficient
5. Both I and II are sufficient
6. Neither I nor II is sufficient
7. Both I and II are sufficient
8. Both I and II are sufficient
9. Neither I nor II is sufficient
10. Only II and III
11. II alone is sufficient while I alone is not sufficient
12. II alone is sufficient while I alone is not sufficient
13. Neither I nor II is sufficient
14. I alone is sufficient while II alone is not sufficient
15. Neither I nor II is sufficient
16. Neither I nor II is sufficient
17. Only I and either II or III
18. Both I and II are sufficient
19. Either II only or I and III only
20. Both I and II are sufficient

Test 3

1. Only II and either I or III
2. Either only III or only I and II
3. Both I and II are sufficient
4. Neither I nor II is sufficient
5. Both I and II are sufficient
6. Both I and II are sufficient
7. Either I or II is sufficient
8. I alone is sufficient while II alone is not sufficient
9. Only I and III
10. Either I or II is sufficient
11. Both I and II are sufficient
12. Either I or II is sufficient
13. Neither I nor II is sufficient
14. All I, II and III
15. None of these
16. I alone is sufficient while II alone is not sufficient
17. All I, II and III
18. I alone is sufficient while II alone is not sufficient
19. I, II and III together are not sufficient

Test 4

1. I alone is sufficient while II alone is not sufficient
2. Neither I nor II is sufficient
3. Both I and II together are sufficient
4. II alone is sufficient while I alone is not sufficient
5. Neither I nor II is sufficient
6. Neither I nor II is sufficient
7. I alone is sufficient while II alone is not sufficient
8. II alone is sufficient while I alone is not sufficient
9. Only I and II
10. Either I or II is sufficient
11. Either I or II is sufficient
12. Neither I nor II is sufficient`
13. Neither I nor II is sufficient
14. Only I and either II or III
15. Both I and II together are sufficient
16. None of these

Cause & Effect

Test 1

1. Both the statements I and II are effects of independent causes
2. Statement II is the cause and statement I is its effect
3. Statement II is the cause and statement I is its effect
4. Statement I is the cause and statement II is its effect
5. Both the statements I and II are effects of independent causes
6. Both the statements I and II are effects of same causes
7. Statement II is the cause and statement I is its effect
8. Statement I is the cause and statement II is its effect
9. Statement I is the cause and statement II is its effect
10. Statement II is the cause and statement I is its effect
11. Statement II is the cause and statement I is its effect
12. Statement I is the cause and statement II is its effect
13. Statement II is the cause and statement I is its effect
14. Statement I is the cause and statement II is its effect
15. Statement II is the cause and statement I is its effect
16. Statement I is the cause and statement II is its effect
17. Both the statements I and II are effects of some common cause.
18. Statement I is the cause and statement II is its effect
19. Statement II is the cause and statement I is its effect
20. Both the statements I and II are effects of independent causes

Test 2

1. Both the statements I and II are independent causes
2. Statement II is the cause and statement I is its effect
3. Both the statements I and II are effects of some common cause
4. Both the statements I and II are effects of independent causes
5. Both the statements I and II are effects of independent causes
6. Statement II is the cause and statement I is its effect
7. Both the statements I and II are effects of some common cause
8. Statement I is the cause and statement II is its effect
9. Statement II is the cause and statement I is its effect
10. Both the statements I and II are effects of independent causes
11. Both the statements I and II are effects of independent causes
12. Statement II is the cause and statement I is its effect
13. Statement II is the cause and statement I is its effect
14. Statement II is the cause and statement I is its effect
15. Both the statements I and II are effects of same causes
16. Statement II is the cause and statement I is its effect
17. Both the statements I and II are effects of independent causes

Test 3

1. Both the statements I and II are the effects of some common cause.
2. Both the statements I and II are independent causes
3. Both the statements I and II are independent causes
4. Both the statements I and II are effects of some common cause.
5. Statement II is the cause and statement I is its effect
6. Both the statements I and II are effects of independent causes
7. Both the statements I and II are effects of some common cause
8. Both the statements I and II are independent causes
9. Statement II is the cause and statement I is its effect
10. Statement I is the cause and statement II is its effect

Test 4

1. Statement I is the cause and statement II is its effect
2. Both the statements I and II are effects of independent causes
3. Both the statements I and II are independent causes

Classification

Test 1	Test 2
1. Watermelon	1. Beethovan
2. Cushion	2. 2 : 7
3. Crache : Infant	3. 1 5 9
4. Elevation	4. Loom : Cloth
5. Brigadier	5. JKNQ
6. Punctuation	6. Minister
7. Oasis	7. Cover : Page
8. 121	8. Boy : Girl
9. Book	9. Garbage : Dustbin
10. FG	10. KGM
11. Calender	11. Identification
12. Cabbage	12. Parrot
13. Quart	13. CEXZ
14. Where	14. Water : Tap
15. Cot	15. Whale
16. Variable	16. DEFY
17. Peel	17. Death : Disease
18. Barber	18. KMOJ
19. Pearl	19. Cover : Page
20. Long : High	20. Mughals

Test 3

1. Distress
2. PUS
3. JKL
4. JFE
5. PN
6. Quay
7. Lemon : Citrus
8. Rye

Test 4

1. Aorta
2. Whale
3. Three
4. Grass
5. Flee
6. Rug
7. KIF
8. Car : Engine
9. Flute
10. Dirt
11. Cube
12. BD
13. Favorable
14. Restaurant
15. Theology
16. Lobster
17. Diagonal
18. Beautiful
19. Familiar
20. Bay

Common Logic

Test 1	Test 2
1. Measurement	1. Lens
2. Engine	2. Chaos
3. Words	3. Always
4. Secrets	4. Whiteness
5. Address	5. Workers
6. Reflects	6. Sometimes.
7. Competitor	7. Always
8. Astonishment	8. Story
9. Colors	9. Cause
10. Teachers	10. Sharing
11. Heart	11. Deliberation
12. Capital	12. Avarice
13. Courage	13. Cotton
14. Travels	14. Calcium
15. News	15. Hardness
16. Theme	16. Never
17. Exchange	17. Chaos
18. Page	18. Air
19. Staff	19. Rules
20. Always	20. Bat

Test 3

1. Cause
2. Petals
3. Glossary
4. Unrest
5. Fault
6. Life
7. Always
8. Filament
9. Fear
10. Disagreement
11. Sometimes
12. Players
13. Height
14. Legitimate
15. Competitor
16. Needles
17. Emotion
18. Roots
19. Sole
20. Instincts

Test 4

1. Regulation
2. Wheels
3. Always

Analogies

Test 1

1. Baby
2. Destruction
3. Broadcast
4. Statu
5. Pool
6. Chemist : Laboratory
7. Planets
8. Ink : Paper
9. Destruction
10. Doctors
11. Press
12. Baseball
13. Ruby
14. VRNP
15. Cat
16. 300
17. Quay : Ship
18. Leaf
19. ***Morning : Night***
20. Skin : Man

Test 2

1. Segment : Line
2. Wrist
3. 216
4. Curd
5. Magnify
6. Throw : Cricket
7. Solid
8. Judo
9. Patient
10. Experience
11. Quetta
12. Flow
13. Colour : Faded
14. 6
15. Gram
16. Frame : Picture
17. Hunger
18. Hematology
19. Lawn
20. Lane : Road

Test 3

1. Stream
2. Bleat
3. Aquarium
4. Philatelist : Stamps
5. Red
6. 65
7. Speak
8. 222
9. Cobol
10. North-East
11. 8 10
12. Bullet : Barrel
13. Water
14. 211
15. Asylum
16. Pyorrhoea
17. Count
18. Russia
19. Bone
20. 112

Test 4

1. Cote
2. 80
3. 6 x 18
4. Rail-line
5. Cloth
6. Judgement
7. Cardiograph : Heart rate
8. 868
9. Block
10. Page : Book
11. Terminals
12. BEAK
13. 15
14. 52
15. Dry
16. Inflammability
17. Flower
18. Horse
19. Heart
20. Bicycle : Wheel

Quantitative Maths

Arithmetic I

Test 1

1. 42, 33
2. 322
3. 100
4. $45\frac{5}{11}\%$
5. 33.7
6. 360
7. 2 x 2 x 3 x 3 x 7
8. 74
9. 400
10. 23
11. 54
12. 3125832
13. Rs. 10,500
14. 80
15. 5%
16. 10%
17. 630
18. 176
19. 840
20. 3

Test 2

1. 0.18
2. 320
3. 7/8
4. 5
5. 23
6. $\frac{32}{25}$
7. 1030
8. 4.55
9. 9944
10. 2
11. 9
12. 2700
13. $\frac{250}{3}$
14. 308
15. 100
16. 42
17. 364
18. 35 cm
19. 40
20. 18

Test 3

1. 1015
2. 16
3. $\frac{1}{15}$
4. 120
5. 200
6. 4
7. 44%
8. 52
9. $p < 3$
10. 20
11. $(2^{96} + 1)$
12. 1
13. Rs. 2000
14. $14\frac{2}{7}\%$ gain
15. 0
16. 85
17. 2
18. 15
19. 44%
20. 12

Test 4

1. 16
2. 2000
3. Rs. 6876.10
4. 46 minutes and 12 seconds
5. 630
6. 4% of a
7. Rs. 7500
8. 1683
9. 31
10. 12 : 15 : 16
11. 2t – 3
12. 0
13. 70%
14. 57
15. Rs. 890
16. Rs. 19.70
17. $\frac{1}{12}$
18. $5\frac{15}{17}\%$ gain
19. 16
20. $5\frac{5}{11}\%$

Arithmetic II

Test 1

1. 10
2. Rs. 1500
3. Rs. 204
4. 30
5. $\frac{x-y}{x}$
6. 12
7. 5 kmph
8. Only 2 is necessary
9. $\frac{5}{8}$
10. 6 : 10 : 5
11. 24
12. 87.5 km/hr
13. 15 years
14. 22 years
15. 7.2
16. 1.2
17. 16, 28, 36
18. Rs. 4000
19. $\frac{2}{5}$
20. 4 years

Test 2

1. Any two of I, II and III
2. 1000
3. 1
4. 224 km
5. $\frac{576}{60x}$
6. Rs. 9000
7. 33
8. 13
9. 259 cents
10. 7
11. 156
12. 1
13. Either I or II alone sufficient to answer
14. Any two of I, II and III
15. $\frac{1}{4}$
16. 6 years
17. 5 : 3
18. 4
19. 20 years
20. 16

Test 3

1. 40 years
2. Rs. 330
3. $\frac{700x}{y}$
4. 20 : 49 : 64
5. 21 : 22
6. 720 kmph
7. I and II only
8. Rs. 2000
9. 60 litres
10. 8
11. 6
12. $13\frac{1}{3}$
13. Both I and II are not sufficient to answer
14. Data inadequate
15. $25\frac{3}{5}$
16. 10
17. 40 miles
18. 9
19. 40
20. 24.5 years

Test 4

1. Rs. 38,000
2. 23 : 33 : 60
3. 35
4. Any two of the three
5. 24
6. $\frac{1}{4}$
7. 16 km
8. 7 : 3
9. 100
10. $\frac{1}{3}$
11. 14
12. 16 years
13. Both 1 and 2 are necessary
14. 71.11 km/hr
15. 14 years
16. 1 hour
17. 30
18. $\frac{5}{8}$
19. 1.458
20. 2

Arithmetic III

Test 1

1. 12%
2. 3/4
3. 372.33
4. 373
5. 450
6. 85 kg
7. 5184
8. 56094
9. 47619
10. 512
11. 5
12. 90
13. 48.55 kg
14. 2
15. 97
16. 3893103
17. 91
18. 253
19. 280.875
20. 3625216

Test 2

1. 9944
2. 6%
3. 7
4. 2079
5. 2
6. 34
7. 725117481
8. 251001
9. 9
10. 888888888
11. 15
12. Rs 240
13. 5526
14. Rs. 15,000
15. 143642
16. 3125736
17. 6
18. 6.25
19. $31\frac{5}{7}$ years
20. 1

Test 3

1. 6 and 12 both
2. 30 birds
3. Rs. 6400
4. 19
5. 202860
6. 8
7. 2 : 3
8. Rs. 7.98
9. 10004
10. 8475
11. 16
12. 349
13. 4000
14. 8
15. None of these
16. 4
17. 2
18. 1035
19. 10.25%
20. 2485

Test 4

1. 1/7
2. 7
3. 4155
4. 27474
5. 1
6. 415624
7. 31 kg
8. 101
9. 100011
10. 0
11. 8500
12. 1200
13. 2
14. 70,000
15. 12/35
16. $7 + \frac{817}{1020}$
17. 63650
18. 285
19. 42437
20. 114345

Algebra

Test 1

1. $\frac{27x^6}{y^3}$
2. -1
3. $= \sum_{i=4}^{7} \frac{1}{i^2}$
4. 2
5. $6x^2+31x+35$
6. $x = -1, y = 3$
7. (10+y)(10-y)
8. 7r
9. $\frac{2}{a^2}$
10. $r = 15p - 8q - 5$
11. 48
12. $q= (cp^2)^3/d$
13. $x=[(y+4)^2+3]/2$
14. 4
15. $y= 1/ 5s^2$
16. $3y^2(3-y^2+4y)$
17. $16a^2+24ab+9b^2$
18. 4
19. $= (2 \times 1^2 + 1) + (2 \times 2^2 + 1) + (2 \times 3^2 + 1) + \ldots + (2 \times n^2 + 1)$
20. p= (q-12)/6

Test 2

1. 11
2. 578
3. 80578
4. 60
5. (3x-5)(x+6)
6. x= 1 ,y= 2
7. 4
8. 20
9. $x = 3, y = -4$
10. $\frac{1}{2}$ or 0
11. 7 and 0
12. 60
13. 2a(8-a)
14. 15552
15. 4
16. 9
17. $r= s^{1/3}/2$
18. (x+4)(x-12)
19. $\frac{b-a}{2ab}$
20. 42

Test 3

1. 24
2. 1/1000
3. 4/5
4. 1000
5. 3
6. 5
7. -1
8. $9x^8$
9. 6
10. $x=[(y)^{1/3}+9]/8$
11. 24
12. $x= (y^2/25)-8$
13. x/3
14. 26
15. Cannot be determined
16. 578
17. x+4
18. 8w
19. r= -1- 9/s
20. $3p^2/r$

Test 4

1. -2/3
2. -18
3. 23 years
4. 3
5. 4
6. 10 and –2
7. 116
8. 7 or -3
9. 5
10. 4
11. $x = -1, y = 1$
12. $4k - 12m + 5n + 5$
13. 23
14. $q= (2p)^{1/5}$
15. $\frac{2b + 1}{b}$
16. $p = 3, q = 2$
17. p= (17 / 6q) – 3
18. (9,7)
19. 3
20. a=2 ,b= -1/2

Geometry

Test 1

1. 30
2. 60π
3. 5
4. 33
5. 6
6. 10
7. 25
8. $12x^2$
9. 5
10. 24
11. $10\sqrt{3}$
12. 40
13. 65
14. 44
15. 180 – 2x
16. 2π
17. 360
18. 108
19. The circumference is doubled and the area is multiplied by 4

Test 2

1. 50
2. 15
3. 5
4. 50°
5. 4:1
6. 8π
7. 150
8. Right
9. $16\sqrt{2}$
10. 64
11. 24
12. 90
13. 9
14. 4.8
15. 14
16. 45π
17. 300%
18. 720
19. Acute
20. 6.7

Test 3

1. 4
2. 12
3. 6
4. (9/2,0)
5. X=$\sqrt{13}$
6. 80
7. 75
8. 127
9. 70
10. (0,-4)
11. $90 - \frac{X}{2}$
12. A rectangle is a rhombus.
13. Rhombus
14. (4, 4)
15. 100
16. 51
17. 90

Test 4

1. 24
2. 40
3. (4,4)
4. 9π
5. 6π
6. 80
7. 180°
8. 65
9. 36
10. 50^{o}
11. 20